Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

JANUARY 1988

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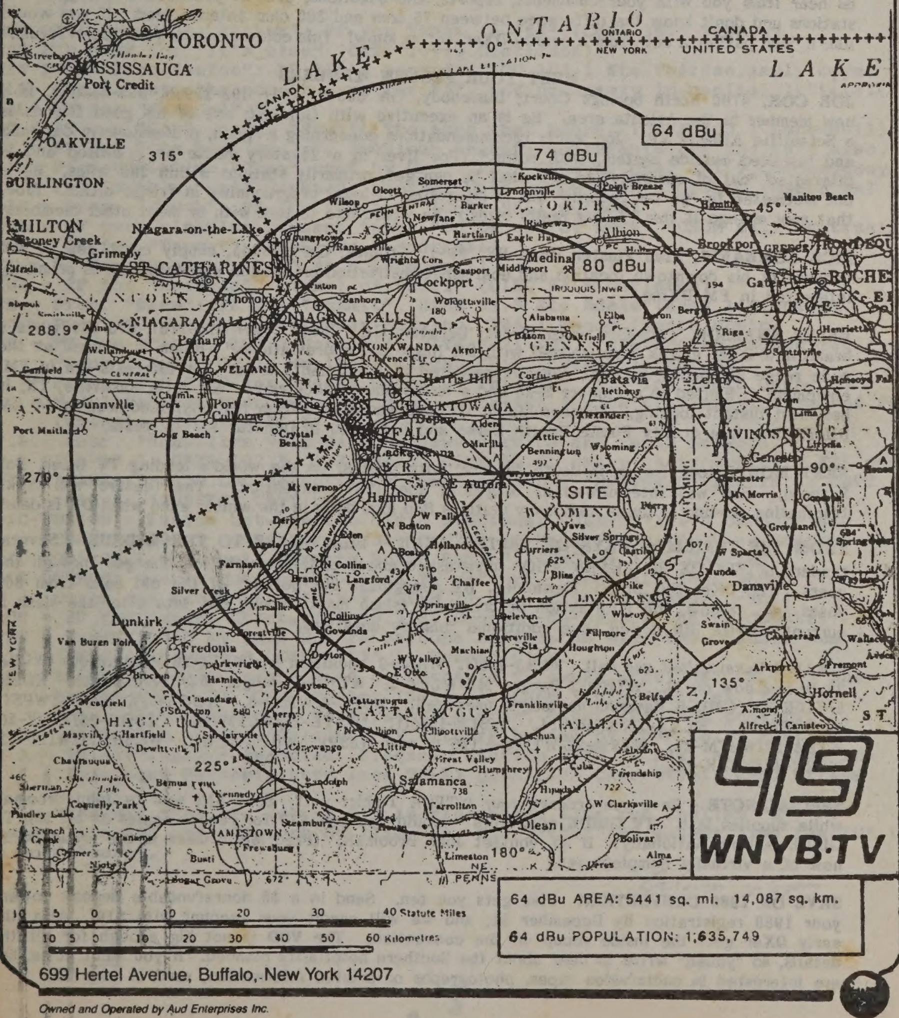

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MEET OUR MEMBERS
CALLS THEN & NOW
ATTEND 88 CONVENTION

FEATURES

TV GUIDES
PREDICTIONS
F2 DX ON RISE

Compiled by John O. Broomall, Route 1, Broomall Trail, Waleska, GA 30183

PREDICTIONS - What do you believe will be the best dates in January, February, and March for Es and trops (assuming you are an optimist and believe DX will occur)? Use your past DXing records, lunar cycles, or hunches. List only one day per month for Es and one day for trops. I will compile and report in the **VUD.** Will the same date be listed by more than one DXer? Who will turn out to be the best predictor? Participate and then turn to the Feature column for results. TV and FM DXers are urged to join in. Remember only one date per month, per mode.

F2 IS ON THE RISE - According to the November **VUD**, the ultimate long distance reception, F2 is on the rise. PLEASE write if you have ever logged F2 or other DX in excess of 2,500 miles. Give details on equipment used to log audo or video of European or other non-American standard reception. Also, if you have DXed ham TV, let us know. Share with us your experiences!

NEW? WE ARE HAPPY TO WELCOME YOU!

The convention endorsed and encouraged extending the hand of friendship to new members. Let us hear from you with your comments, reports, and questions, even if you have only logged ten stations and don't know the difference between 75 ohm and 300 ohm antenna lead. If you would like a "pen pal" or a call from a nearby DXer, let us know! This column can be your "open forum."

MEET YOUR FELLOW MEMBERS

JOE COX, 4700 North Springs Court; Dunwoody, GA 30338 (404+ 393-2193h, 393-5300w), is a new member in the Atlanta area. He is an executive with Goldkist; one of his good friends is a Scientific Atlanta VP. Joe wants recommendations concerning a "good, professionally designed and installed outside system, with rotor." Joe lives in a 2½ story house on a hilltop and is interested "out of curiosity" to see what he can get, primarily stations within 200 miles. He is not motivated to "go for records" but is interested in local programming in fringe cities. (Joe, that may change if the DX bug really bites.) He would like to talk with or meet other members.

NICK LOMBARDI, 2203 Plaster Road NE, #N-1; Atlanta, GA 30345, simply can't get TV DX because of his downtown location and apartment restriction on outside antennas. He is primarily interested in FM DXing.

HELEN SWANSON, 1175-C Church Street; Decatur, GA 30030 (404+ 378-776), 876-0307w) is a brand new DXer and is "overwelmed with DX lingo and abbreviations." Helen is amazed at the wide range of special interest clubs represented in the Atlanta area. Her interests are in FM; equipment is limited to a Pioneer S-26 and a Radio Shack clock radio. To date, Nashville, TN, is her most distant logging. Membership in WTFDA was a gift from her boyfriend who is an AM DXer. She is a county Public Health Nurse and has lived in Decatur for 15 years.

NEXT MONTH look for an in-depth feature, with photos, on the world's leading TV DXer, Bob Seybold. Bob was interviewed at length at the 1987 convention. The feature will make fascinating reading — guess how many stations Bob logs daily in the winter even when DX is dead!

FROM THE THRILLING DAYS OF YESTER YEAR - BILL DRAEB TO THE RESCUE - Several readers of "TV DX 30 YEARS AGO" have asked about call letter/station changes through the years. Top DXer Bill Draeb, Kewaunee, WI, recognizes 90+ percent of the old calls from 30+ years ago. Below, the information before the / (slash mark) is old; the data after the slash is current. Write Bill if you have additional "history questions."

CMAB-2 Havanna/not use call. KLRJ-2/off. WAIQ-2 Andalusia AL/WAIQ-26 Montgomery (WDIQ-26 Dozier now on 2). WTWO-2 Bangor ME/WLBZ-2. WTWO-2 Bangor ME/Terre Haute. KBES-5/KOBI-5. CMQ-6 Havanna/no longer uses call. WSPD-6/WPSD-6. KOCA-7/KOAC-7. WPST-10/WTSP-10. KLAA-14/KARD-14. WBLN-15/off. WSYE-18/WETM-18. KDOG-26/KRIV-26. WTPA-27/WHTM-27. WTVM-28/WTVM-9 (28 is now WJSP). WBPZ-32/off. WCMB-71/WITF-33. WEEK-43/WEEK-25.

SPECIAL NOTE - Have you ordered your WTFDA T-shirt yet? Send $12 now to John Broomall while supplies last. **TV GUIDE** collectors - would you pay $30 for recent copies of all 106 TV GUIDE editions nationally? If so, contact John Broomall. (Fred McCormack is the proud owner now of a virtually complete set.)

SAVE ON 1988 CONVENTION! Five gets you ten. Send in a $5 nonrefundable deposit toward your 1988 registration by December 31, and we will credit your account with $10. Also, the early DXer gets the inside scoop on the convention. The **VUD** is not big enough for all the details, so "youall" write to hear about the Southern hospitality planned. If you can't come, but are interested in audio/video tapes, photographs or printed information, send in your $5.

WTFDA member Alain Pepin presents

A FRENCH DICTIONARY

adapted for FM and TV DXing in North America

First off, the familiar numerals...

88=Quatre-vingt-huit
89=Quatre-vingt-neuf
90=Quatre-vingt-dix
91=Quatre-vingt-onze
92=Quatre-vingt-douze
93=Quatre-vingt-treize
94=Quatre-vingt-quatorze
95=Quatre-vingt-quinze
96=Quatre-vingt-seize
97=Quatre-vingt-dix-sept
98=Quatre-vingt-dix-huit

99=Quatre-vingt-dix-neuf
100=Cent
101=Cent un
102=Cent deux
103=Cent trois
104=cent quatre
105=Cent cinq
106=Cent six
107=Cent sept
108=Cent huit

1=Un
2=Deux
3=Trois
4=Quatre
5=Cinq
6=Six
7=Sept
8=Huit
9=Neuf
10=Dix
11=Onze
12=Douze

13=Treize
14=Quatorze
15=Quinze
16=Seize
17=Dix-sept
18=Dix-Huit
19=Dix-neuf
20=Vingt
30=Trente
40=Quarante
50=Cinquante
60=Soixante

VIRGULE= FF for "comma", which is used instead of "point" in the metric system, thus 94.3 becomes "Quatre-vingt-quatorze virgule trois"

C'EST QUOI ? = Pron. "Sekwa": FF for "What is it?" (CKOI 96.9 Verdun)
C'EST FIN = FF for "It's nice" (CFIN 104.5 Coaticook)
C'EST FOU = Pron."Sefoo": FF "It's crazy" (CFOU 103.1 Ste.Thérèse,early days)
CÂBLE= Cable. Note the accent over the "A". Not necessary in capital letters.
CANAL= FF for "Channel".
CHAT = FF for "Cat", pron. "Shah". The type that meows. (CHAA 103.1 Longueuil)
CHEZ = FF for "the home of...", American snobby restaurants use the term also. Pronounciation "Chay" used by CHEZ 106.1 Ottawa, CHAI 101.9 Châteauguay
CHIC = Fashionable, well dressed, pretty. Used by CHIK 98.9 Québec (Dance mx)
CHOIX = Pron. "Shwah": FF for "Choice" (CHOI 98.1 Québec)
CHÔME = FF verb singular present tense "to be out of work" (CHOM 97.7 Montréal)
CIBLE = FF for "Target" (CIBL 104.5 Montreal)
CIEL = FF for "Heaven" (CIEL 98.5 Longueuil)
CIEUX = FF for "Heavens", plural of "ciel" (CIEU 94.9 Carleton)
CÎME = Pron. "Seem": FF for "Summit". CIME 99.5 Ste.Adèle (Easy listening)
CIMO = Pron. "C-Mo", no perticular meaning. 106.1 Magog (Dance Music)
CITÉ = FF for "City". 107.3 Montréal, CITE-FM-1 102.7 Sherbrooke. Watch for "Pour l'Amour de la Musique" slogan (MoR / Easy listening)
ICI = Pron. "E.C." FF for "Here" meaning "This is..." ("Ici Radio Québec")
M.F. = Modulation de Fréquence, used by extremist french stations instead of FM (Example: Ciel-MF 98.5)
N.T.R.= Abbr. "Nouvelles Télé Radio". News service and radio network. CIEL 98.5, CFEL 102.1, CJRG 94.3, CIME 99.5, carry their overnite EZL pgm
RADIO-CANADA= French CBC network. On test patterns, "MONTRÉAL" refers to CBFT relays, "QUÉBEC" CBVT relays.
RADIO-FUSION = Fusion between two radio stations: CJLA-FM 104.9 Lachute and CHPR-FM 102.1 Hawkesbury. Note "102.1 en Ontario et 104.9 au Québec" ID
RADIO NORD-JOLI = Transl. "Pretty North Radio", CFNJ 99.1 St.Gabriel.
RADIO-QUÉBEC= Québec government owned TV network. Check stations whose callsigns begin with "CIV-" (CIVM 17 Mtl, CIVQ 15 Québec, etc.)
SIROP = FF for Syrup. Check CIRO 99.7 St-Georges-de-Beauce (Le FM Country)
SUPER = Super. Used by Télé Quatre Saisons affiliates with the channel number. CFAP is "Super 2, Câble 13" in Quebec City.
TÉLÉ = Short for Television. Used by Pathonic TV owned stations: CHLT-TV Sherbrooke (Télé 7), CFCM Québec (Télé 4), CHEM Trois-Rivières (Télé 8) Look for "Un Amour de Télévision" slogan. Other stations possible...
T.Q.S.= Télévision Quatre Saisons. TV network headed by CFJP Ch.35 Montréal.
T.V.A.= Télédiffuseurs Associés. Flagship station CFTM 10 Mtl. Affiliates include most Pathonic stns (see TÉLÉ) plus CJPM Chicoutimi, CHOT Ottawa

REMEMBER that the letter "I" is pronounced like the English "E", "J" becomes like "G" and "G" sort of like "J". The letter "E" sounds like the "U" in the word "Burp".

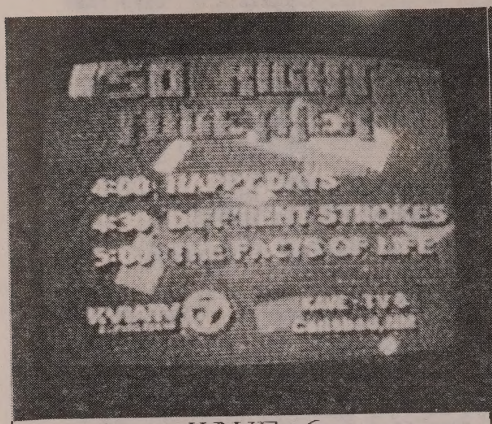
Alain Pepin

PHOTO-NEWS

Column layout by:
David J. Nieman
12284 Nice Road
Akron, New York
14001-9529

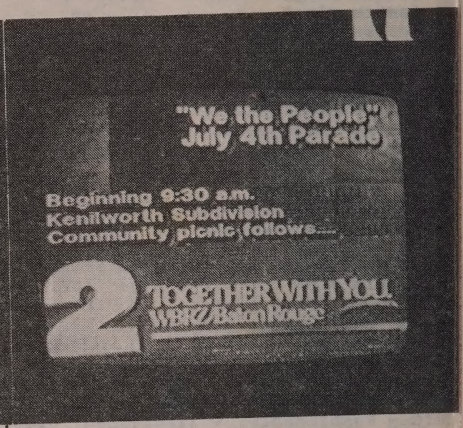
JANUARY 1988

We begain 1988 with more E-skip fotos from: Matt Sittle - Kingsport, TN



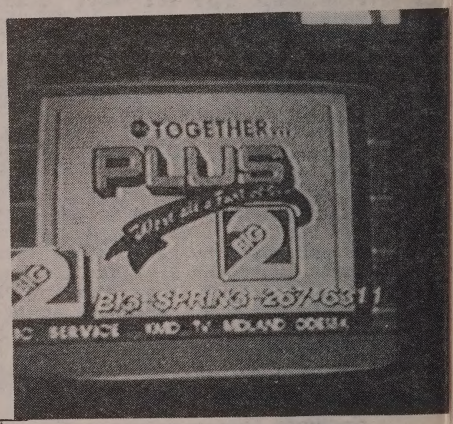
KAVE-6
Carlsbad, NM
1265 mile E-skip seen June
10, 1987 at 1800 EDTime
"7 so right together"

"no mention of channel 6
except what you see"



WBRZ-2
Baton Rouge, LA
645 mile E-skip
at 1028 EDTime
"clearest ever-last seen 2/5/85"
seen June 22, 1987

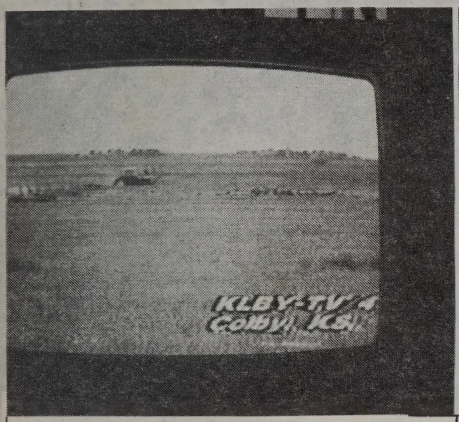
KDLH-3
Duluth, MN
882 mile E-skip
seen June 21, 1987
at 1810 EDTime



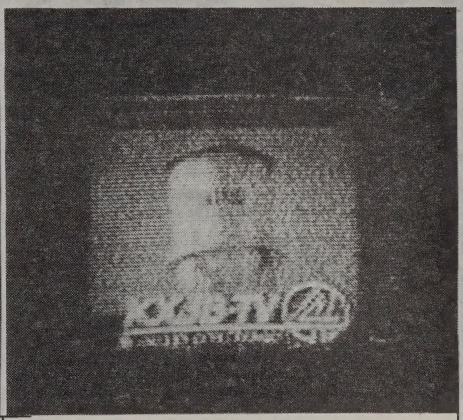
KMID-2
Midland, TX
1174 mile E-skip
seen June 22, 1987
at 1930 EDTime

continued on next page

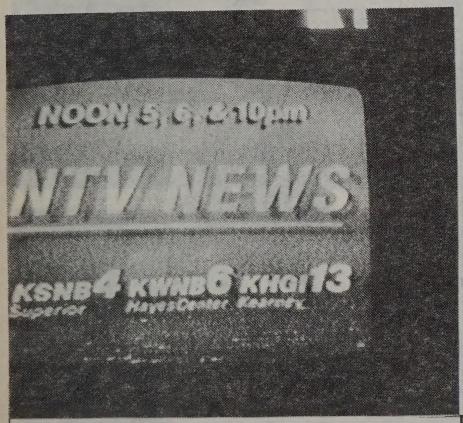
we continue with more fotos from Matt Sittle.....



KLBY-4
Colby, KS
1033 mile E-skip
seen June 23, 1987
at 2030 EDTime



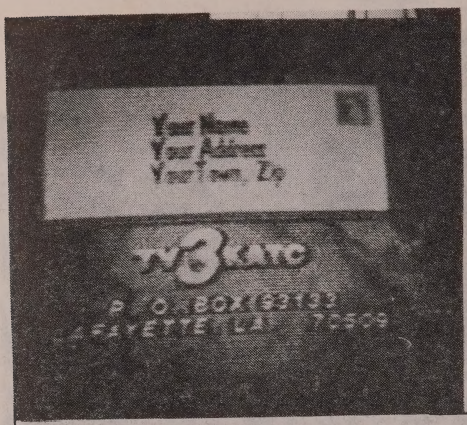
KXJB-4
Valley City, ND
1076 mile E-skip
seen July 5, 1987
at 2207 EDTime



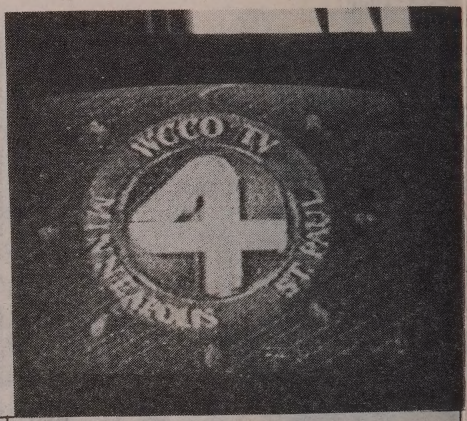
KWNB-6
Hayes Center, NE
1040 mile E-skip
seen June 25, 1987
at 1130 EDTime
"KSNB not in at time!"

CKND-2
Minnedosa, MB
1289 mile E-skip
seen July 8, 1987
at 0051 EDTime

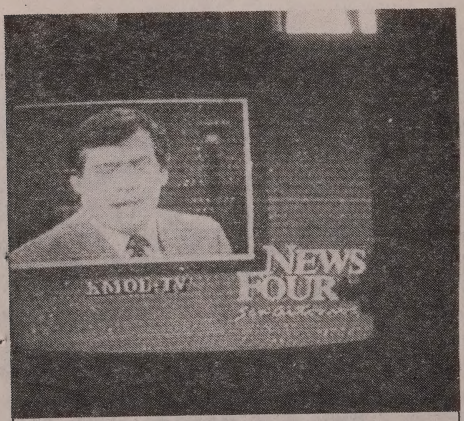
now for the of Matt's E-skip fotos for 1987.



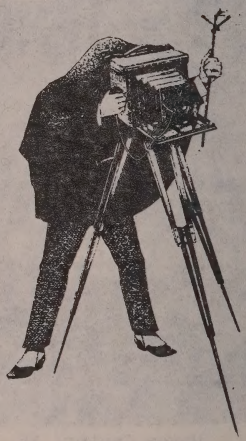
KATC-3
Lafayette, LA
702 mile E-skip
seen July 9, 1987
at 1959 EDTime



WCCO-4
Minneapolis-St Paul, MN
815 mile E-skip
seen July 16, 1987
at 1100 EDTime
"clearest ever seen-rarely seen"

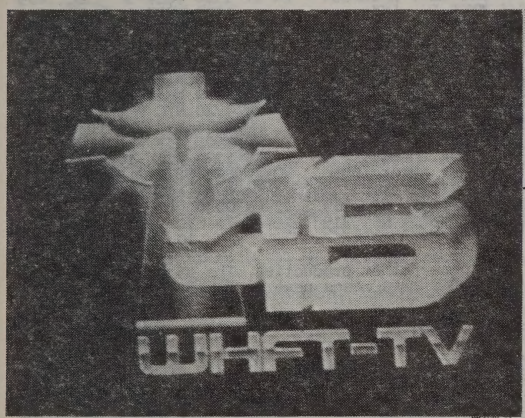


KMOL-4
San Antonio, TX
1053 mile E-skip
seen July 13, 1987
at 2030 EDTime

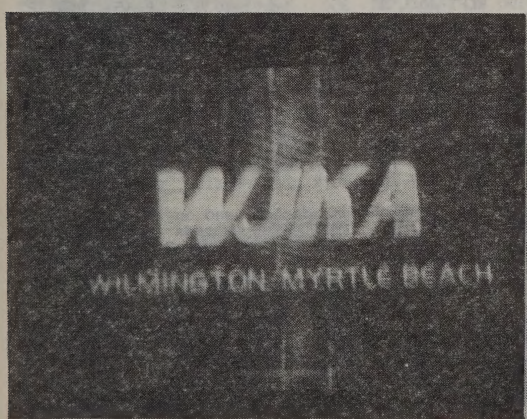


Carlon Howington - St. Petersburg, FL sent in somemore of his southern trops catches.

WFGX-35
Fort Walton Bch
Florida
305* mile
tropo
seen April 30,
1987



WHFT-45
Miami, Florida
205* mile tropo
seen May 3,
1987



WJKA-26
Wilmington, NC
528* mile tropo
seen August 22,
1987

(note) * your editors milage figures.

Just another reminder; please include the following information with your photos. You can put it on the back of them or on a separate sheet of paper: calls, city & state, distance in miles, mode of reception + complete date.

DAVE

EASTERN TV·DX

John F. Combs
1308 Willow Branch #24
Jacksonville FL 32205
(904) 389-2451

WARNING: IF THIS GETS INTO THE HANDS OF THE RUSSIANS, IT'S CURTAINS FOR THE FREE WORLD!

REPORTS FROM TV-DXers IN AL,CT,DC,DE,FL,GA,IN,KY,MA,MD,ME,MI,NC,NH,NJ.NY,OH,PA,RI,SC,TN, VA,VT,WV,Quebec,Ontario & the Maritimes

JANUARY 1988 — DEADLINE: 1st of each month

Scott M. Hood, 7 Auburn Rd., Beverly MA 01915-2501

SEPTEMBER 1987

3 Es	1930	WEDU-3	FL	1201
	1930	WESH-2 ?	FL	T
5 Tr	1855	WBRE-28	PA	272
	1855	WYOU-22	PA	272
	1855	WNEP-16	PA	272
	1855	unID-19 o/K19AK		
	2040	WVIA-44	PA	274
	2215	WUSA-9	DC	409
	2315	WOLF-38	PA	260
	2315	WTAF-29	PA	285
	2315	WYOU-22	PA	274
	2315	WLIW-21	NY	181
	2315	WNJB-58	NJ	230
	2315	NYC V's all in		
	2315	WHSE-68	(NY)	
	2320	WTKK-66	VA	427
	2320	WTGI-61	(NJ)	303
	2330	WHSW-24	MD	381
	2335	WNYC-31	NY	206
	2335	WNJU-47	(NY)	206
	2335	WMDT-47	MD	379
	2350	KYW-3	PA	285
	2350	WCAU-10	PA	285
6 Tr	0000	WNUV-54	MD	381
	0015	WJZ-13	MD	374
	0020	WMPB-67	MD	375
	0050	WBFF-45	MD	381
	0050	WMAL-2	MD	374
	0110	WPMT-43	PA	344
	0110	WMGM-40	NJ	312
	0110	WXTV-41	(NY)	205
	0120	WBAL-11	MD	374
	0120	WHYY-12	(PA)	285
	0120	WGAL-8	PA	344

SEPTEMBER 1987

6 Tr	1105	WNJT-52	NJ	252
7 Tr	2230	NYC V's in/out		
	2230	WCAU-10	PA	285
	2230	KYW-3	PA	285
	2335	WUSA-9	DC	409
8 Tr	0730	WTAF-29	PA	285
	0730	WTBY-54	NY	170
	0730	WHYY-12	(PA)	285
	0730	KYW-3	PA	285
	0730	WUSA-9	DC	409
	0730	NYC V's + 68		
Es	1915	MUF ch. 2 (weak)		
10 Es	1925	MUF ch. 2		
11 Es	1925	MUF ch. 2 (weak-- in/out all night)		
	1930	MUF ch. 4 (weak)		
12 Es	0030	unID-2 Awards show?		
	0935	MUF ch. 2		
28 Tr	0010	NYC hi-V's in/out		
	2240	WWOR-9	(NY)	
29 Tr	0035	KYW-3	PA	285
	0735	WMGM-40	NY	312
	0735	WLIW-21	NY	181
	1925	NYC V's in/out		
	2205	KYW-3	PA	285
	2300	WLIW-21	NY	181
30 Tr	0035	WCAU-10	PA	285
	0035	CBHT9-2	NS	319
		(?? less than 1-kw)		
		(.226-kw according to TVDB---jfc)		
	0035	CBHFT1-3	NS	259
	0035	CJCH-6	NS	319

OCTOBER 1987

2 Tr	2005	NYC V's		
6 Tr	0025	WLIW-21	NY	181
	2100	NYC V's		
	2230	WLIW-21	NY	181
	2330	WHSE-68	(NY)	
11 MS	1130	unID-3 Star Trek!		
16 GW	2100	WMFP-62	MA	12
		Lawrence ("AVM" home shopping)		
	2340	NYC 2,4,5,9		
	2340	KYW-3	PA	285
17 Tr	0105	WABC-7	NY	
	2225	NYC V's in/out		
20 Tr	1900	WWOR-9	(NJ)	
	1945	KYW-3	PA	285
	2250	Other NYC V's		
	2250	WLIW-21	NY	181
21 Tr	0035	WCAU-10	PA	285
24 Tr	1100	WUSA-9	DC	409
	1100	WPVI-6	PA	285
	1100	KYW-3	PA	285
	1100	WJZ-13	MD	374
	1100	WBAL-11	MD	374
	1100	WCAU-10	PA	285
	1100	WHYY-12	(PA)	285
27 Tr	0730	NYC V's		
	1905	NYC V's in/out		
	1905	KYW-3	PA	285
	2235	WCAU-10	PA	285

NOVEMBER 1987

4 Tr	0030	WCAU-10	PA	285
12 Es	?0030	unID-2		
16-17 Tr		NYC V's, Philly 3 & 10, NY 21 & 68		

The tropo season certainly turned out to be rather productive. The MS count/intensity appears a lot lower than last year (I wonder if this means next year's E-skip season will also be poorer?). 73's, Scott.

Stephen West, 432 Kenmore Road, Havertown PA 19083

AUGUST 1987

30 Tr	2350	WSBK-38	MA	279
	2350	WNAC-64	(MA)	257
31 Tr	0715	WTWS-26	CT	186
	0715	Boston U's		279
	0715	WHCT-18	CT	166
	0715	WCVX-58	MA	292
	2200	WTWS-26	CT	186
	2200	WNAC-64	(MA)	292
	2200	WSBE-36	RI	257

OCTOBER 1987

17 Tr	0645	WUNJ-39	NC	412
	0645	WKFT-40	NC	350
	0645	WHMC-23	SC	446
	0800	WTAT-24	SC	525
20 Tr	0100	WKFT-40	NC	350
	1000	WUNP-36	NC	285

NOVEMBER 1987

2 Tr	0800	WTAT-24	SC	525
3 Tr	0100	WKFT-40	NC	350
	0745	WGGT-48	NC	362

NOVEMBER 1987

3 Tr	0745	WPCQ-36	NC	425
	0745	WTVI-42	NC	425
	0820	WUNP-36	NC	285
4 Tr	0730	WTWS-26	CT	186
16 Tr	1030	WECF-38	VA	287
	2330	WBCT-43	CT	
		(SHOPPING 0900-2400)		
		(What a novel idea!--jfc)		
	2330	WSBK-38	MA	279
	2330	WSBE-36	RI	257

On September 3rd, I set out on a UHF-TV DXpedition to Cape Cod MA. I packed a 2" Sony Watchman, a Winegard PA-4975 amp, and a small UHF "dart" antenna. The amp and antenna were set up in my first-floor Hyannis Holiday Inn motel room. I received snow-free signals from over 400 miles away! Unfortunately, they were my locals and semi-locals from DC, MD, and Philly! I have noticed that low-noise, hi-gain UHF amps work great inside, even on loops!!

Experimenting with portable DX gear, I find the antenna design used on the Radio Shack U-100 and U-120 works well. These log-periodic/corner-reflector hybrids lack gain above channel 50. I wonder how a quad-stack of them would compare with a 7' dish? Of course, for indoor or portable use the quad-stack would perform better than the 7' dish. (Yeah, if ya got the room for it! I find the 4-bay to be about all I can handle in a studio apartment, especially since bigger antennas compete with my ceiling fan for air space!---jfc)

Morris Sorenson, 111 Town Line, Milton, Ontario L9T 2X1 (416) 878-5130

TV-DX has been almost non-existent here lately, so I can only make a small contribution to your column. On October 17 at 1655 via GW CIII-43 Toronto (Global TV Network) testing from CN Tower with color bar test pattern. Now on with regular programming. This transmitter will replace Global's ch. 22 xmtr in Uxbridge ON, although the latter will remain on for a few months. Distance is 25 miles. 73, Morris Sorenson. (Great! Another local is just what you wanted, right? I would imagine that if the CRTC is consistent, the calls for this one will be CIII43. I'm sure Bill or some Canadian members will correct me if I'm wrong!---jfc)

John F. Combs, 1308 Willow Branch #24, Jacksonville FL 32205 (904) 389-2451

NOVEMBER 10-15---At BAHIA HONDA STATE PARK FL: My long-awaited DXpedition to the Florida Keys was a profound disappointment. Oh, sure, it's a lovely place to camp and the weather was gorgeous, but DX-wise it was a flop. I did see very weak tropo or extended GW one evening as far as WFTV-9 Orlando (272 miles), but not a single Cuban TV signal made the 110-mile trip across the Straits of Florida...and monitoring Cuban TV was the main reason for the trip! Oh, well...maybe next year. Local TV at the park is provided by the Big Pine Key translators (which are actually on Lower Summerland Key, between Bahia Honda and Big Pine Key). Although the xltr site is only 2 miles away, the signals were not quite perfect due to the fact that the xltrs are directional toward Big Pine. A few of the Marathon xltrs were noted at very weak levels. The xltrs seem to be widely accepted and appreciated if one can judge from the scads of corner reflectors and 4-bays one sees sprouting from rooftops in non-cabled areas of the Keys. After the trip, back at the ranch:

NOVEMBER 1987				NOVEMBER 1987				NOVEMBER 1987			
18 Tr	1737	WCBD-2	SC	216	19 Tr	1058	WCES-20	GA	207	28 MS	0338	WRC-4	DC	652
	1740	WTAT-24	SC	216		1125	WLTZ-38	GA	240	29 Tr	2352	WFTX-36	FL	243
19 Tr	0836	WATL-36	GA	288			(also unIDs-23,24)				2352	WTVX-34	FL	234
	0943	WAGT-26	(SC)	215		2200	WGXA-24	GA	201	30 Es	1935	KTVI-2	MO	753
		(in all day)				2200	WMGT-41	GA	202			(+ unIDs-2,3)		

The MS logging of WRC-4 was a matter of being in the right place at the right time! I had just gotten home from work and noticed WJXT-4 signing off, as they do only for a few hours Saturday and Sunday AM. I decided to see if any Tr or extended GW might be logged on this normally blocked channel. I noted a very weak 3/4 cb pattern, then realized that the ID was WJXT Jacksonville (apparently testing with their dummy load, or exciter, or whatever one calls it). Suddenly, a weak but more than 1-second long burst clearly showed the WRC-TV call letters! This is the first MS IDed on the indoor quad-loops, and I'm now inspired to check the channel on the weekend of the Geminids meteor shower! Then on the 30th, lo and behold came E-skip! I hope there will be much more to come in December!

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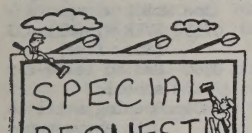

Some of the frequencies I most enjoy monitoring on my scanner are those assigned to the Broadcast Media. These frequencies (in the 26, 161, 450, and 455 mHz areas) are used by radio and TV broadcasters for such things as newsgathering, remote feeds, STLs, IFBs, engineering, traffic reports, coordinating "live shots," and general 2-way communications. These assignments are not well-covered in the major scanner directories. I am asking those WTFDA members with scanners to search these frequencies and send me information on which are in use in your area. It may take a bit of monitoring to determine which stns are using which freqs. Please indicate the stn using the frequency, what it is used for, whether it is simplex, duplex, repeatered, etc. I hope to begin compiling a directory of these frequencies, and will credit those who provide information for it. Thanks---jfc

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AND NOW, EASTERN TV-DX PRESENTS "THE LOGO GRAVEYARD,"
SUBTITLED,
"LET'S FILL OUT THE REST OF THE PAGE, SHALL WE??"

WESTERN TV-DX

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

January 1988 Deadline: 2- 4-88

This month's column is about as short as it can get without disappearing. If there were any super trops to rival that of last Thanksgiving, no one rushed off any reports! There was some nice tropo that week, however.

New ID ___ New Mode Color Bars - @ __ Tent. - t Unid Color Bars - % Unidentified - unid IHTP - ¢ S/On - + Misc. Test Patterns - & S/Off - =

William Draeb, Ellis St., Rt. #2, Kewaunee, WI 54216 CST

Equipment: 7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower), and Panasonic 9" b&w portable.

October 1987

31 tr 0715 Columbus chs 28, 34, and 51 395
0727 WWAT 53 OH 437 (AVN Network)
WHIZ 18 OH 400
2103 WSEE 35 PA 405

November 1987

7 tr 0800 KSAXt 42 MN
1831 WMCCt 23 IN
8 tr 2022 WCET 48 OH 400
12 tr 2038 WCET 48 OH 400
15 tr 0610 @WYIN 56 IN 197 (Snow free - pgm began at 0700)
0820 WMCC 23 IN 288 (Snow free)
19 tr 2010 KDNL 30 MO 432
KNLC 24 MO 432
20 tr 0710 WUTV 29 NY 445
22 tr 1939 WCET 48 OH 400
24 tr 0615 KSAX 42 MN 394 (Ex WBAY sports anchor Joe Smidt w/ sports)
0755 KVRR 15(MN) 453 (Snow free)
0800 Had to leave for school
1804 Opening still in with above two +
1954 KRWF 43 MN 374

WWAT-53 doesn't get out well compared to most other stations in that area. WRGT-45 was snow free and WWAT-53 was still quite snowy. WYIN-56 and WMCC-23 were getting out well on the 15th.

On November 24 after 2000, KVRR-15 and KRWF-43 faded mostly, but KSAX-42 was pretty rock steady.

I looked for KBRR-10 and KNRR-12, but nothing that evening. Local WLUK-11 wipes out channels 10 and 12 pretty good in that direction so maybe they were there, but I didn't see them.

KVRR-15 and KSAX-42 should be good indicators of tropo openings in that direction. Hopefully, I'll be able to see something beyond them sometime soon.

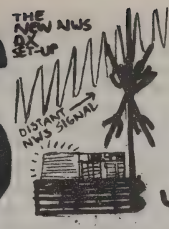
There's somethng new going up in Green Bay. Last Thursday (November 18) on the way to school, I noticed another tower going up about 600 feet west of WXGZ-32's transmitter. The tower was about 800 feet high then, and I couldn't tell much more by looking at it from over 10 miles away, so on Friday after school I drove over there to see what's going on. The tower is right where I said it was and it isn't finished. The gin pole was still up there and there were about eight more sections of tower to go up yet. The cement block house for the transmitter is built, but no one was working on the site when I was there. The tower itself is a little different than WXGZ's or WGBA's which is 600 feet to the east of WXGZ's, both of which are identical (i.e., same manufacturer). This new one seems to be a little lighter gauge. There's been nothing in the newspaper about this. I wonder if someone is going to put the vacant channel 44 on there? I guess I'll have to wait and see. 73's for now.

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103 CST

I was at work the 24th of November, but on the search antenna at my company's CATV headend I observed some of the tropo opening that Bill reported above. At 0744 the following were noted in a quick scan of the band: KTCI-17, WQOW-18, WXOW-19, KTMA-23, WLAX-25, WKOW-27, WHWC-28, KITN-29, WHLA-31, KXLI-41, KSAX-42, and KRWF-43. At 1044, KTIN-21 was noted from Iowa. At 1422, WHRM-20, WGBA-26, and WLEF-36 were noted from Wisconsin. I did not see ID's on all of these; they are educated assumptions.

From my own QTH, the following were seen on December 1: KXNE-19 NE (320 miles) at 1932, KSIN-27 IA (300) @ 1933, KHIN-36 IA (390) @ 1934, KPTM-42 NE (400) excellent @ 1935, and a unid Fox affiliate over KSIN-27 at 2021.

NWS



Matt Sittel
220 Brookfield Drive
Kingsport,TN 37663-9777
(615)239-9186

Deadline: 2/1/88 for the March 1988 column

-happy new year!-

January 1988

A LOOK AT WHAT'S NEWS FOLLOWS THE WEATHER:The snow that fell last night is already gone. Being December 5th,and already seeing measurable snow more than once,it looks as if this winter may be a bad one. (Or a good one,if you like winter.I do!) Anyway,it looks as if this column will be pretty short,as I have only one report. Maybe DX will pick up soon(Es on TV has occurred a couple of times.) and there will be lots of NWS DX to report! Well, on to the column...

Bill Kretschmer, 104 Kopp Avenue, North Syracuse,NY 13212-1066

I recently became a member of WTFDA. Besides yourself, I too am a NWS DX nut. (Let's hope we're not the only ones-the more the merrier!-mcs) I've logged many stations since 1983. I too have a bandscan from Syracuse to Chicago on Interstate 90 which I travel often. The following are received at the above address:

Syracuse,NY	WXL-31	162.550	Albany,NY	WXL-34	162.550
Buffalo,NY	KEB-98	162.550	Burlington,VT	KIB-60	162.400
Rochester,NY	KHA-53	162.400	Marlboro,VT	WXM-68	162.425
Elmira,NY	WXM-21	162.400	Windsor,VT	WXM-44	162.475
Binghamton,NY	WXL-38	162.475	Ottawa,ON	XLJ-696	162.400
Williamsport,PA	WXL-55	162.400	Toronto,ON	XMJ-225	162.475
Allentown,PA	WXL-39	162.400	Erie,PA	KEC-58	162.400

TROPO DX

Received Thanksgiving 1986:

Lafayette,IN WXK-74 162.475

My second tropo which I received on a whip car antenna at Fairhaven,NY on Lake Ontario was KHB-97 on 162.400 from Sandusky,OH. Fairhaven is 40 miles east of Rochester,NY. The NWS station there is KHA-53 on 162.400 MHz and is quite strong at Fairhaven. Sandusky weather-adio came in strong over Rochester for about an hour one Saturday morning shortly after sunrise.

The following is a list of stations received on Interstate 90 from Syracuse to Chicago: (This will take the place of the Spotlight State for this month. I've included the coordinates to the information that Bill provided.-mcs)

CITY	CALLS	FREQ.	POWER	LATITUDE	LONGITUDE	MSL	HAG	COMMENTS
SYRACUSE,NY	WXL-31	.550	1000	42.58'	76.12'	1450	140	
ELMIRA,NY	WXM-21	.400	1000	42.06'	76.52'	1956	250	←changed freq.
ROCHESTER,NY	KHA-53	.400	500	43.08'	77.35'	1093	350	from .550 to
BUFFALO,NY	KEB-98	.550	330	42.38'	78.46'	1740	300	.400 on July
ERIE,PA	KEC-58	.400	330	42.03'	80.00'	1970	570	14,1987.
CLEVELAND,OH	KHB-59	.550	500	41.24'	81.51'	1150	200	
AKRON,OH	KDO-94	.400	500	41.03'	81.35'	1760	672	
SANDUSKY,OH	KHB-97	.400	1000	41.24'	82.49'	965	335	
TOLEDO,OH	WXL-51	.550	100	41.37'	83.42'	1150	250	
DETROIT,MI	KEC-63	.550	330	42.28'	83.12'	1359	530	
FT. WAYNE,IN	WXJ-58	.550	1000	41.06'	85.21'	1103	260	
SOUTH BEND,IN	WXJ-57	.400	1000	41.36'	86.11'	1125	250	
CHICAGO,IL	KWO-39	.550	500	41.53'	87.38'	2057	1482	

Equipment for home use: Sony portable Air-8 scanner,5-element vertical yagi tuned to 162 MHz atop a 30' Rohn #25G tower at 44'AGL,Channel Master #1111 VHF at 40'AGL and Channel Master 7'UHF dish at 33'AGL.

Traveling to Chicago one can expect a sudden change in weather conditions,especially during the winter months. Those who live by the Great Lakes are too familiar with lake effect snow squalls and in summer,heavy thunderstorms with frequent wind damage and lightning discharges. Before traveling I listen to Rochester NWS for Buffalo radar reports and listen to WGR-550 or WKBW-1520 road reports. The trip I went on was in February,1987. An 11-hour trip took 14 hours due to blinding snow from Buffalo to Ashtabula,Ohio along Lake Erie. The second spot of snow squalls was on the Indiana Toll Road near South Bend. I listened to the South Bend NWS station to find out what to expect ahead, then the sound alarm was activated and I heard:"The National Weather Service office in South Bend has issued a snow squall warning for Porter and LaPorte counties in Indiana. Winds gusting 25-35 mph with heavy snow squalls and frequent 'white outs' may occur." I made it through the snowstorm and counted 5 tractor-trailer jackknifes and nearly a dozen stranded motorists. The total width of the snow band was about 20 miles wide and ended in Gary,just outside Chicago. The moon came out and the roadway was clear. The NWS station in Chicago didn't mention much of the bad weather I had encountered. They only said to expect light snow in northwest

(Bill's report continues on the next page...) CONTINUED

Indiana. FM reception was terrible in snow squalls. WKQX 101 and WFYR 103½ almost faded completely. Back in the Cleveland area on 162.400 MHz, Akron/Sandusky share this frequency and they were interfering with each other with an occasional 'squeel'. The same in northwestern Ohio where Toledo,Detroit,and Fort Wayne share 162.550 MHz. My next report will be NWS,TV,FM DX atop Mt.Washington,NH. I am purchasing a Channel Master trap for WMTW-8 which transmits atop the mountain, 100 feet from the parking lot where I DX from my car. 73's Bill.

Thanks to Bill for the great (and only) report this month! I've heard that Syracuse is a pretty good place to DX from (although I found it to be even better up near Watertown) and it sure looks like it from the long list of regulars Bill receives. Can anyone top that? If you can or can't,send it in! And now,a report from me!

Matt Sittel, 220 Brookfield Drive,Kingsport,TN 37663-9777

11/22 GW
1606 WXK-46 .475 TN Knoxville,non-ID 88
(semi-ID ("NWS in Knoxville,TN"),forecast, extended forecast,hourly conditions;also has lake stages and travelers' forecast at certain times of the day)

11/29 tr
1108 unID .475

11/30 tr
0627 WXM-72 .425 WV Hinton,ID 125
(ID w/WXM-71 Beckley,forecast,extended forecast,hourly conditions)

12/4 tr
2137 KIH-40 .475 KY Hazard,ID 70
(ID,forecast,hourly conditions,climatological data,commercial)

Equipment: Bearcat 210XLT scanner,Channel Master 5094 Monitenna at 32'AGL(1451'MSL), whip antenna included with scanner,Radio Shack Realistic weatheradio 12-151A.

Well,I knew that it was about time to get a scanner when I realized that Thanksgiving was coming up and in case the tropofest returns,I want to get some NWS DX out of it! Really,ever since the start of this column I knew I needed something better than a portable weatheradio to log NWS DX like everyone else who reports to this column. So,on 11/22/87, enter the new scanner into the picture. As soon as I turned it on,I went straight for the "wx"button,and I was to say the least elated when I heard Knoxville rolling right in! Suddenly I had 50% more NWS than before! Then,I realized that I was certainly going to need a good antenna if I wanted some good reception. Then,on a tip from Bill Nollman on the Monitenna being a good antenna(thanks,Bill!),I called the CM HQ's and they said that there was a dealer in Gray,about 5 miles away-right under my nose! I then promptly went out to Dixie Electronics,which turned out to be a wholesale dealer! Oh,no! But,they said that they would sell it to me anyway. So on 11/26 up goes the antenna and down go the hopes. I even had a big countdown and a tape recording of the festivities,expecting NWS stations to start pouring in and interfering with each other like Bill Kretschmer's area. I was crushed to hear WXK-46 about half as good as it is with the whip. Then,on 11/27,I adjusted the antenna to point west-northwest,where it appeared to come in best. Well,it doesn't come in as well as the whip,but who cares? When I logged DX on it I could care less! For example,with KIH-40,with the whip in it was WXK-46 as normal. But with the antenna hooked in-there it was,weak and very hard to hear but still there! Then it came in stronger just long enough to hear "Kentucky" and later "KIH-40"-yay! So if I want to hear regular NWS on WXK-46 I hook the whip up,but for DX its the Monitenna! I just leave the Monitenna in usually. (Monitenna looks a lot like Montana,doesn't it?) So,now,I'm up to 5 stations total. I love it! 3 local stations to listen to! WXL-56 on 162.40 from Asheville and the ever-present local WXK-47 on 162.55 are so strong that I doubt I'll ever get any DX through either. But,if they ever go off the air-for any reason-I'm ready! So now I hope to report like everyone else-finally! Now the editor can DX NWS also!

I plan to record all the DX I receive,so maybe I'll have an NWS DX tape sometime! And now,here's the story I promised you last time on "Just press for NWS".

Have you ever stopped at a rest area on an interstate and seen a button that says "Push Button for Weather Information"?(unless the same dastardly villain who always scratches the"-on"off the word"button"on the hand dryers in restrooms has vandalized the sign!) Well,if you press,like I always do,you'll get the nearest NWS station booming to you on a large speaker for all to hear! (I must admit I press it over and over again to keep it continuous for all to hear) I've noticed them in North Carolina,South Carolina,and Pennsylvania,and I think some other places that I can't recall at the present. If you've seen some of them in your travels,please send them in. If possible,please send the location of the rest area and what weather station you can hear there.

OTHER NWS NOTES:The ID TAPE II is still available,see the November VUD for how to get it. Also,if anybody can record their local NWS's for me,please let me know. I'll supply the tape and postage,all you have to do is record them! If you can,please get in touch. If you'd like,I can record some of my NWS's in exchange for yours, if you'd like to trade. The I-40 bandscan I promised awhile back may appear next time,depending on if there's space for it,as the entire bandscan is pretty long. If not,I'm thinking of putting it in monthly installments,and printing a little bit at a time. That's probably what I'll end up doing anyway,as it would probably take up a few pages for all of it! 73's Matt

NEXT TIME:Part 1 of the I-40 bandscan,and hopefully something from YOU!

FM NEWS

Bruce F. Elving, Ph.D., Editor
241 Anderson Road
Esko MN 55733-9413

New Station, Translator Grants

AL Citronelle 101.9 3000 h,v; 100 m
AK Chevak KCUK *88.1 150 h, 23 m, directional (d-a), Kasunamitut School, primary for translator previously granted on *91.9 in Scammon Bay
AZ Quartzsite KBUX 94.3 3000 h,v; 91 m
AR Russellville *91.9 100 h, 28 m, AR Tech. U.
CA Central Valley 99.3 3000 h,v; 100 m
CA Coalinga KNGS 100.1 3000 h,v; -29 m
CA Crescent North (near Crescent City, 41-45-35; 124-11-28) 97.9 3000 h,v; -39 m
CA Eureka 105.5 500 h,v; 514 m, g, format
CA Philo *90.7 3400 h,v; 514 m, Mendocino County Public Bcstg. [Fellowship
GA Vidalia *91.5 50000 h,v; 38 m, g, GA Radio/
HI Honolulu 105.1 100000 h,v; 582 m, d-a
HI Waipahu 102.7 100000 h,v; 577 m, d-a
ID Twin Falls KAWZ *89.5 3000 h,v; +1 m, g, Calvary Chapel
IN Bloomfield 101.1 3000 h,v; 100 m
IN Van Buren 99.3 3000 h,v; 100 m
IN Winamac WOTD 100.1 3000 h,v, 91 m, reinstatement of previous c-p
KS Salina KHCD *89.5 100000 h,v; 250 m, to be $, c, KHCC Hutchinson relayer
ME Skowhegan WHQO 100.1 1400 h,v; 126 m
MD Crisfield 96.9 3000 h,v; 100 m
MD Hurlock 100.9 1470 h,v; 142 m
MA Great Barrington 105.1 1100 h,v; 159 m
MI Baraga 104.3 100000 h,v; 304 m, Mary Verkest [lic Radio
MN Brainerd *90.7 34000 h,v; 207 m, MN Pub-/
MN Worthington 93.5 3000 h,v; 100 m
MS Laurel 98.1 3000 h,v; 100 m
MO Eldon 101.9 3000 h,v; 100 m
MO Poplar Bluff *89.5 100000 h,v; 129 m, g, Calvary Ed. Bcstg. Fou. [the Bcstg.
MT Butte 92.7 3000 h,v; 7 m, g, Marana- /
NY Oswego 96.7 3000 h,v; 100 m
NC Franklin WFQS *91.3 260 h,v 702 m, d-a, W. NC Public Radio, to be cj
OH Chillicothe *89.3 2500 h,v; 107 m, Xavier U.
OK Oklahoma City K292CS 106.3 (KTFX 103.3 Tulsa) [State of Oregon
OR Ashland KSMF *89.1 230 h,v; 412 m,/
OR Bend 98.3 3000 h,v; 91 m, Kitsap—Carol J. Brandt [m, State of OR
OR Klamath Falls KSKF *90.9 2000 h,v; 689/
OR Medford 103.5 100000 h,v; 600 m, Judeo-Christian Outreach, Inc., g?
SC Newberry 106.3 3000 h,v; 91 m
TN Knoxville *88.3 1900 h,v; 138 m, Appalachian Ed. Communications
TN Wartburg 101.3 500 h,v; 235 m [Ed. Bcstg. Fou.
TX Lubbock *90.1 640 h,v; 82 m, g, Caprock/
UT Brigham City 100.7 100000 h,v; 405 m
VA Spotsylvania 99.3 3000 h,v; 100 m
WV Buckhannon 101.3 50000 h,v; 150 m
WI Ashland W214AE *90.7 (WNCB 89.1 Duluth MN), testing, swamping off-air pickup of KDNW *90.5 Duluth MN to its Ashland translator, K218AR 91.5. Late word is this translator will move to *90.9, with FCC taking my advice that it should be allowed this frequency, to prevent the problem to KDNW's translator, even though 90.9 puts it only 600 kHz in frequency away from K218AR's 91.5.

Call Letters Assigned

AL Geneva 93.5 WRJM"-FM" (from WGEA-FM), to go stereo finally?
AL Montgomery 103.3 WSYA"-FM" (WREZ-FM), rm format, "Sunny-103" (not strict)
AL Troy 105.7 WMGF (WALQ), r, "Magic-105.7" [m, d-a
AK Anchorage 98.1 KLEF, c, 25000 h,v; 9/
AK Homer 103.5 KWVV (KGTL), "their format remains basically the same 'r', and strict nonIDer, 'FM K-Wave'
CA Escondido 92.1 KOWF (KWNQ)
CA Madera 92.1 KHOT (KQMD"-FM")
CA San Rafael 100.9 KTID (KWVF), "The Tide" (strict), rj, "new age-ad con (mix); they used KWVF for less than 7 weeks!"
CO Wray 98.3 KRDZ-FM (KRDZ)
FL Immokalee 98.3 WIKX"-FM" (AM in North Fort Myers has new calls)
FL Tampa 93.3 WFLZ (WPDS)
IN Terre Haute 102.7 WPFR"-FM" (WPFR-FM; AM has new calls)
IA Clinton 97.7 KCLN (not KCLN-FM), still r, "adult contemporary"
KS Chanute 105.5 KKOY-FM (KQSM)
MI Allendale *88.5 WGVU"-FM" (WGVC-FM) to 3000 h,v, 95 m, transmitter Coopersville MI
MI Ann Arbor 107.1 WPAG"-FM" (WPAG-FM; AM has new calls)
MI Detroit 105.1 WQRS (WQRS"-FM")
MN Virginia 99.9 (from 107.1) WCDK (WHLB-FM), to be "Alive and Kickin' K-100" (strict). Station requested KVCD calls, but FCC refused, even though north of the MS River! Facilities change on 99.9 to 100000 h,v; 173 m, with transmitter 5 km SSW Hibbing MN, about Jan. 15, class C1; affects 1 translator. Format will be mor-big bands during early Jan., then switching to live country with new d-js, and "compressing the audio to the maximum; there will be no dynamic range"
MS Corinth 94.3 WXRZ (WKCU-FM), to 91 m; 3000 h,v, adding vertical
MO Ste. Genevieve 105.7 KSTZ (KSGM-FM); ID with St. Louis, now 420 m (100000 h,v). "Their new 420-meter HAAT gives KSTZ a signal comparable to most St. Louis stations. Format is r (adult contemporary), similar to new competitor KYKY 98.1."
NE Aurora 103.1 KMTY (KKBB)
NV Reno 104.5 KIIQ-FM (KIIQ)
NY Corning 92.7 WCBA-FM
NY Rome 95.9 WKAL"-FM" (WKAL-FM; AM has new calls), seeks 96.1
NY Webster *89.3 WMHN
NC Asheville *88.1 WCQS (WCQS"-FM")
OH Elyria 107.3 WNWV (WCZR); "Z-Rock" format has now left FM; it is seeking AM stations, satellite-delivered
OH Niles 106.1 WNCD
OK Tulsa 98.5 KUSO (KCFO-FM); affects most former KCFO-FM translators, which are expected to go with KNYD *90.5 Broken Arrow OK. KUSO now k.
OR Florence 104.7 KLCX (KDUK or KWOW), rp format, affects 2 translators
PA Philadelphia 98.1 WOGL (WCAU-FM), r, "Oldies 98," adds †D (cue paging) 57 kHz
PA Summerdale *91.7 WUCP
SC Lancaster 107.1 WRHM (WPAJ"-FM")
SC Parris Island 92.1 WBHH (WGCQ)
TN Dickson 102.3 WQZQ (WDKN-FM), seeks 102.5 (affects 3 translators)
TN Jackson 104.1 WTNV (WKIR), "V-104," still k, and still with an ABC (†A) SCA at 67 kHz
TN Union City 104.9 WKWT (WALR-FM)
TX Bowie 100.7 KRJT
TX Kerrville 92.1 KLLS
TX Waco 99.9 WACO-FM (KHOO); affects 4 translators
VT Randolph 102.3 WCVR"-FM" (WCVR-FM; AM in Randolph Center VT has new calls)
VT Springfield 93.5 WMKS (WCFR-FM)
VA Waynesboro *90.1 WCQR
WI Racine 100.7 WBZN-FM (WBZN)
WI Sauk City 96.7 WMLI (WSEY), seeks 96.3
BC Victoria 92.1 (from 100.3) CKKQ, "Q-92 FM," p, and testing on this frequency. . . They plan to be on-air Jan. '88." This plan, however, conflicts with the CBC's desire to use 92.1 in Victoria, so if the CBC has its way, CKKQ will have to settle for "Q-100"
PQ Longueuil 103.1 CHAA, French, community programming, amateur d-js, in Stereo, rock, classical, jazz, talk, "Shah ["as in Shah of Iran"] MF" ("cat FM")
PQ Montreal *90.3 CKUT, $, p, on air 24 hours, IDs as "CKUT McGill University"; has "strange combination" of rare music, local groups, some of the music "sounding like static"; all in English

Calls change said to be taking place: FL Leesburg-Orlando 106.7 WCAT (from WHLY), but still using "Y-106" nonID

See Also Dec. VUD for:

KS Phillipsburg KKAN (AM) and KQMA FM 92.5, giving a joint ID, p. 29, Fela. This could very well be, as KKAN and KQMA FM were to merge, with KKAN-FM 95.3 to be given to the local schools. It is possible KKAN-FM is off the air, awaiting FCC approval of the transfer of the KKAN-FM license
MD Salisbury WSCL *89.5 c, p. 28, Fela, also is in $
MI Pinconning WLFS 100.9 r, "Lifestyle 101," p. 29, Fela
NY Amsterday WMFQ Magic 97.7 nonID, p. 29, Fela
NC Columbia WRSF 105.7 ID with Elizabeth City-Nags Head, p. 29, Fela
SC Orangeburg WSSB *90.3 ID with Holly Hill, Pepin, p. 32

Facilities Changes Granted

AL Birmingham WBHM *90.3 32000 h,v; 278 m
AL Cullman WFMH-FM 101.1 100000 h,v; 408 m, a new Birmingham rim-shotter; to go stereo?
AL Fayette WHKW 98.1 89000 h,v; 310 m
AL Montgomery WBAM-FM 98.9 334 m (100-000 h,v)
AK Ketchikan KGTW 106.7 4000 h,v (-102 m)
AR Batesville KZLE 93.1 300 m (100000 h,v)
AR Little Rock KZOU 98.5 392 m (100000 h,v)
CA Delano KZAY 105.3 40000 h,v; 167 m, xmtr Oildale CA; off air recently; reporter thinks they have serious money problems
CA Fresno KYNO-FM 95.7 17500 h,v; 259 m
CA Modesto KADV *90.5 43 m (1500 h,v)
CA Palm Springs KPSC *88.5 3000 h,v; 81 m
FL Milton WEGS *91.7 25000 h,v (91 m)
FL Panama City WFSY 98.5 322 m (100000 h,v)
FL Safety Harbor WXCR 92.5 (from 92.1) 50000 h,v; 149 m, xmtr Seminole FL
GA Atlanta WSB-FM 98.5 311 m (100000 h,v)
GA Brunswick WPIQ 101.5 439 m (100000 h,v), xmtr Kingsland GA [v; 369 m
HI Paauilo KHCR 103.7 (from 95.9) 100000 h,/
ID Pocatello KSEI-FM 102.5 100000 h,v (313 m) [vertical), 100 m
IN Elwood WEWZ 101.7 3000 h,v (adds/
IN Lowell WZVN 107.1 1300 h,v (152 m)
IA Dubuque KATF 92.9 305 m (100000 h,v), "92.9 Kat-FM"
IA Sac City (new) 105.1 3000 h,v; 89 m
KS Pratt KGLS 93.1 317 m (100000 h,v)
KY Hazard WSGS 101.1 446 m (100000 h,v), $?

MI Ann Arbor WIQB 102.9 47000 v (49000 h, 152 m, d-a) [000 h,v; 300 m, Class C
MI Houghton WHUH 96.3 (from 97.7) 100-/
MI Twin Lake WBLV *90.3 185 m (100000 h,v)
MN International Falls KSDM 104.1 (moving from 94.3) 8500 h,v; 46 m
MN Virginia-Hibbing (from Buhl) WIRR *90.9, Buhl remains xmtr site
MO Harrisonville KCFX 100.7 300 m (100000 h,v) [56 meters, $
MO Joplin KXMS *88.7 10000 vertical only,/
MO Lexington KCAC 107.3 353 m (100000 h,v)
MT Great Falls KMON-FM 94.5 51000 h,v (143 m)
KOOZ 106.1 391 m (100000 h,v)
MT Kalispell KBBZ 98.5 725 m (60000 h,v)
NV Sparks KROI 100.9 2900 h,v; 62 m
NH Nashua WHOB 106.3 100 m (3000 h,v), $, "B-106.3" ... **B-106.3 FM**
NJ Asbury Park WJLK-FM 94.3 1300 h,v; 152 m
NY Cortland WOKW 99.9 24000 h,v (223 m)
NY Garden City WLIR-FM 92.7 1000 h,v (159 m), d-a, license change to Jarad Broadcasting
NY Plainview WPOB *88.5 130 h,v; 78 m, d-a; shares time with WKWZ Syosset
NY Schenectady WGFM 99.5 15000 h,v (284 m)
NY Syosset WKWZ *88.5 130 h,v; 78 m, d-a, shares time with WPOB Plainview
NC Elizabeth City WMYK 93.7 304 m (100000 h,v) [m, Class C1
NC Wilmington WHQR *91.3 10000 h,v; 349/
WHSL 97.3 300 m (100000 h,v)
ND Jamestown KSJN 93.3 57000 h,v (78 m)
OH Circleville WNHZ 107.1 100 m (3000 h,v)
OK Anadarko KRPT-FM 103.7 86000 h,v; 301 m
OK Enid K272CF 102.3 to have KNYD *90.5 Broken Arrow, not KMGL 104.1 Oklahoma City [000 h,v)
OK Oklahoma City KLTE 101.9 423 m (100-/
OK Stillwater KSPI-FM 93.9 100000 h,v; 308 m
OR Coquille KSHR-FM 97.3 61000 h,v (261 m)
OR Newport KYQT 102.5 65000 hv; 275 m
OR Redmond KPRB-FM 102.9 100000 h,v (304 m) [h,v; 258 m, Class B1
PA Canton WKAD 100.3 (from 100.1) 3900/
PA Erie WXKC 99.9 50000 h,v; 150 m, d-a
PA Mechanicsburg WTPA 93.5 830 h,v; 199 m
PA Mercer WKTX 96.7 1400 h,v (148 m)
PA Ridgebury (new) 96.9 1550 h,v; 131 m
PA Tamaqua WMGH 105.5 1300 h,v; 148 m
PA Wilkes-Barre WKRZ-FM 98.5 8700 h,v; 357 m [222 m, xmtr Sweetwater, Class C2
SC Aiken WNEZ 99.5 (from 99.3) 22500 h,v;/
SC Darlington WDAR-FM 105.5 100 m (3000 h,v)
TN Gallatin WGFX 104.5 49000 h,v; 400 m, "The Fox 104.5," now "oldies rock"
TN Monterey WRJT 106.9 (not 107.3; moving from 107.1)
TX Amarillo KLSF 96.9 307 m (100000 h,v)
KZZQ 101.9 307 m (100000 h,v)
TX Dallas KCBI-FM *90.9 99 m (100000 h,v)
TX Denton KNTU *88.1 135 m (100000 h,v)
TX El Paso KBNA-FM 97.5 100000 h, 52000 v (329 m)
TX Floresville KWCB 94.3 87 m (3000 h,v)
TX Lampasas KLTD 99.1 (from 99.3) 18500 h,v; 553 m [h,v; 133 m
TX Lorenzo KVOQ 98.1 (from 98.3) 50000/
TX Luling KAPT 94.7 97500 h,v; 383 m
TX Wichita Falls KKQV 103.3 309 m (100000 h,v)
VA Strasburg WESI 104.9 1350 h,v; 144 m
VA Williamsburg WCWM *90.7 (from 89.1) 1600 h,v; 38 m
WA Richland KOTY-FM 106.5 100000 h,v; 328 m, xmtr 11 km S. Kennewick, r (CHR)
WA Tacoma KNBQ 97.3 515 m (100000 h,v)
WV Wheeling WZMM-FM 107.5 16000 h,v; 208 m
WI Madison WNWC *102.5 adds vertical
WI Platteville WSUP *90.5 2500 h,v (43 m), adding vertical
WI West Salem WQJY 100.1 1800 h,v; 130 m

WDHS: A Pathetic Station

PR Manati WMRT 96.9 50000 h,v; 269 m
VI Charlotte Amalie WIYC (or are the calls WTYC?; I don't keep as accurate records for PR and VI) 104.3 (from 101.1) 45000 h,v; 490 m
BC Gibsons CISC 107.1 200 watts horizontal, mono, r, "Mountain FM," has a higher (unknown) EHAAT and "now puts a nice signal into Salt Spring Island"
BC Whistler CISW 102.1 640 watts (h), mono, "Mountain FM," r

Format Changes

Formats are the same as in the FM Atlas

AK Bethel KYKO 100.1 g
AZ Phoenix KOY-FM 95.5 r
AR Little Rock KUAR *89.1 c, running dual IDs with KLRE *90.5 Little Rock, and simulcasting. "I have no idea what the point of this wasteful practice be."
CA Angwin KCDS *89.9 gc
CA Carmel KXDC-FM 101.7 b, AM simulcast, "Ecstasy" (strict); ID with Monterey
CA Concord KVHS *90.5 pt (progressive rock and talk) [country/ethnic"
CA Cupertino KKUP *91.5 jk, "jazz/
CA Long Beach KNAC 105.5 p, album (metal), "Pure Rock." [ity Rock"
CA Los Angeles KNX-FM 93.1 r, "Qual-/
CA Oakdale KDJK 95.1 rp, ID with Modesto
CA Moraga KSMC *89.5 rj, rock during the week; jazz weekends [try/ethnic"
CA Northridge KCSN *88.5 ke, "coun-/
CA San Mateo KCSM *91.1 jt, "jazz/bluegrass/talk"
CA San Rafael KSRH *88.1 p[rogressive rock]
CA Taft KTLM 103.9 r, "on air at last, satellite-fed adcon, simulcasts KTKR-1310." Not known if stereo or not.
IN Gaston WDHS *90.9 (moving from 91.1) r, "The station is on the air 3-4 months out of the year only. It is as pathetic as the pirate station we used to have here."
IN Goshen WGCS *91.1 cr
IN Pendleton WEEM *91.7 r
MA Boston WROR 98.5 rj, jazz weeknights 8 to 11, "jazz fusion."
MN Hutchinson KKJR 107.1 mr
NM Roswell KBIM-FM 94.9 bc
NY Port Henry WKLZ 92.1 mj, Progressive music Network, via satellite
OH Ironton WOUL *89.1 fc, folk and classical ON AIR, stereo assumed; with same programming as WOUB-FM *91.3 Athens, WOUC *89.1 Cambridge
TN Jackson WMXX 103.1 r (from rp), no nonID
TX Abilene KACU *89.7 gc
TX Brownwood KISJ 104.1 r, "SMN CHR"
TX Eastland KVMX 96.7 k, $
KEAS-FM 97.7 mr, $, add to p. 60 FM Atlas map (10th ed.)
WA Cheney KEYF-FM 101.1 mj, Progressive Radio Network, now "The Key"
WA Walla Walla KHSS 100.9 r, "SMN CHR"
WV Grafton WTBZ-FM 100.9 k
WY Laramie KUWR *91.9 jc
PQ Quebec CJMF 93.3 r (from p), "CHR-top-40"

On Air (selected)

AL Muscle Shoals WQPR *88.7 $, cj, parallel with WUAL *91.5 Tuscaloosa
CA Hayward KCRH *89.9, "has a terrible signal—it barely gets out 3 miles [with a weak signal] from Chabot College. I work about 8 blocks from their transmitter." Format is m, or "easy listening; only on 8:30 a. m. to 4:30 p. m. school days, and that '1 mile range' is accurate, for them!"
CA Los Altos KFJC *89.7, "audible here in Pleasanton; Angwin is dominant here on *89.9 [not KCRH]." Reporter claims it is licensed to Los Altos Hills, but FCC and NTIS list its city of license as Los Altos.
IL Quincy WGCA *88.5, g, $, signing off at midnight [h, 24000 v (67 m)
MO St. Charles KCLC *89.1 now 26000/
TX Plainview KPWB 103.9

Off Air, or Not Yet On

AZ Yuma KAYM *88.9, K214AW *91.3
CA Santa Rosa KCRN *91.1
IN Auburn WIFF-FM 102.3 (not having moved from 105.5)
IN Michigan City WFAJ *89.5
KY Falmouth WIOK 96.9
KY Okolona WJIE *88.5

On air in $tereo

CA Los Osos KLZZ 101.3 r (light r, with "adult contemporary music of the '60s, '70s and '80s"), "Class" (not strict)
MO St. Louis KDHX *88.1 "on air at 1 kw, but will go to 42 kw shortly"
OH Geneva WDON 104.9 on air. ID with Madison, rm "Your favorite music"; it is on daily from 5:30 a. m. to midnight.
PA Mifflinburg WWMC 98.3
PA Pittsburgh WYEP *91.3, on air after a 2-year hiatus and "back in stereo for the first time ever with a new stereo generator."
VT Waterbury WGLY 103.1, g. This station, the new CHAA Longueuil and CFOU 103.1 Ste. Therese (now r [contemporary]), all make it difficult to listen to 103.1 in the Montral area on a car radio.
PQ Coaticook CFIN 104.5 k, "C-Fin" ("it's fine"); "it may be a commercial station, but I have never heard a commercial on it"
PQ Mirabel CJLA 104.9
PQ Sherbrooke CFLX 95.5, p[rogressive rock]

No Stereo, remove $ Listing

AL Guntersville WTWX 95.9, "they have been without it for around three months"

Deletions (Selected)

AK Sitka KMTE *100.1, "old Bureau of Indian Affairs School closed"
KS Norton KNTX 106.7, "denied extension of time; c-p cancelled"
NE Falls City KTNC-FM 95.3, application dismissed to replace expired c-p; call letters deleted
OR Astoria KPAB *91.1
OR Baker KJVS *91.1
OR Beaverton K296BE 107.1, it "went off the air for good Nov. 5th. A reason was not given"
OR Newport KEWP *90.9—this station, KJVS and KPAB, all had their applications dismissed for extensions of construction permits
TN Antioch W269AE 101.7 (replaced by W269AX 101.7 Nashville, a WQZQ 102.3 Dickson TN translator)
TX Granbury KFIL 106.7, application denied for extension; c-p cancelled
TX Kerrville K221BJ 92.1, caused by new KLLS there (see "Call Letters," above)
VA Fredericksburg WWWH *89.7, "application denied for extension; c-p cancelled"
WY Rawlins K216AS *91.1, served by K206AJ *89.1 Sinclair

Multi-City Identifications—Selected ones only; for more detail, see this feature in last month's FMedia! (subcription to which is $18/year from "FM Atlas," Adolph MN 55701-0024)

CA Pasadena KROQ-FM 106.7 with Los Angeles
CA San Francisco KIOI 101.3 with San Jose-Oakland; but "often uses cockeyed ID, 'KIOI San Jose-Oakland-San Francisco' "
CA Santa Monica KSRF 103.1 with Beverly Hills
IN Danville WGRT-FM 107.1, no longer IDs

with Indianapolis, k, $, "but they certainly sign off early. Don't know when they sign off, but at 8:30 p. m. two nights in a row they've been off."
MO Ferguson KCFV *89.5 with St. Louis

NonIDs, Not Just Slogans

CA Anaheim KEZY 95.9 no nonID, now "95.9 KEZY" [ID with Menlo Park
CA Atherton KCEA *89.1 K-Sea (strict);/
CA Fremont KOHL *89.3 no nonID, uses lots of jingles, like "89.3-KOHL Fremont"
CA Grover City KOSZ 107.1 Cozy.
CA Hollister KHIP no more "K-Hip" nonID
CA Los Angeles KIQQ 100.3 K-100 (not "K-Lite")
CA Monte Rio KMGG 97.7 Classic Rock
CA San Francisco KOIT-FM 96.5 Koit; ID with Oakland-San Jose
KKSF 103.7 103.7-FM (strict)
KMEL 106.1 All Hit 106, ID with San Jose
KEAR *106.9 Family Radio (strict)
CA Santa Clara KARA 105.7 Kara (strict)
CA Stockton KJAX 99.3 K-Jax
CA Walnut Creek KKIS-FM 92.1 Kiss (strict)
GA Forsyth WFXM-FM 100.1 Foxy
IL Des Plaines-Chicago WTWV 106.7 The Wave (strict), mj
KS Leavenworth KCWV 98.9 The Wave
ME Portland WWGT-FM 97.9 G-96
MI Dearborn WNIC 100.3 no nonID (was "FM-100"), now says, "100.3, WNIC"
MI Detroit WGPR 107.5 G-107.5 or just "107.5" (strict; calls used only once per hour)
NM Alamogordo KYEE 94.3 Key
NY New York WPIX-FM 101.9 Express-102
PA Philadelphia WIOQ 102.1 Solid Gold 102, r (oldies)
SD Rapid City KPHR 93.9 Power, r, "CHR"
TX Denton-Dallas KOAI 106.1 The Oasis
PR Guayama WSRA 106.9 Sonorama 107, salsa/latin pop
ON Windsor CKLW-FM 93.9 no "FM-94" nonID; now uses exact frequency
PQ Drummondville CJDM 92.1 now IDs by call sign, rather than only "FM Quatre-Vingt-Douze" (FM-92), in response to a reader's plea to the station that they use calls. He pointed out to them how phenetically similar their slogan was to CJMF 93.3 Quebec, "FM Quatre-Vingt-Treize," which is also heard in Drummondville.
PQ Ste-Therese CFOU 103.1 FM Cent Trois (FM-103). This nonID is very strict (calls not used). "Their studios have been spotted at a former toll gate on the Laurentians Autoroute (15), with 'FM 103' sign."

FMistakes, 10th ed. FM Atlas

AL Florence delete listing, p. 30 map for "92.7 WJBB"
TN Knoxville WIVK 107.7 not on p. 39 map

AM Happenings Most Likely Caused by FM

FCC delays announcing a standard for AM stereo, with the Commission reportedly deciding the "market demand for AM stereo just isn't there." This was seen as the "last remaining obstacle to giving stations a clear path down the road to conversion."
See other examples in FMedia!

SCSignals, 57-92 kHz

Including a complete listing of DiversiCom's Cue Paging at 57 kHz, with data noise heard and carriers on all the time; takes careful tuning of an SCS adapter to differentiate this from a 67 kHz signal that may also be present on a station (coded TD). This feature appeared in the December, 1987, FMedia!

More Small Print Happenings and FM Industry News
(partially reprinted from December's FMedia!)

FCC staff upholds denial of Gerry Turro's request for waiver of rules to allow his W276AQ 103.1 Fort Lee NJ to originate programming, including commercials.

ABC Talkradio to offer late-night call-in show devoted to DXing, including FM and subcarriers. I'll be a guest the first hour of the show, 3 to 4 Eastern Time, the early hours of Jan. 9, 1988. Stations carrying the Ray Briem Show include WSB 750 Atlanta, WABC 770 New York, KOA 850 Denver, KABC 790 Los Angeles. This is the third such program scheduled in as many years. Technical arrangements are by Greg Hardison.

Religious broadcaster hit with a petition to deny. Dick Snavely, WCIK 98.3 Bath NY, complains in "Religious Broadcasting" magazine that he filed for *90.3 in Elmira NY, and that a petition to deny was filed, questioning "if any organization with religious purpose can be an educational organization, thereby making it ineligible to operate on a reserved channel. We believe this could have far reaching consequences for many of our members. We have three other applications for new non-commercial FM stations, so you can be assured that we will take any necessary action to have the 'petition to deny' thrown out."

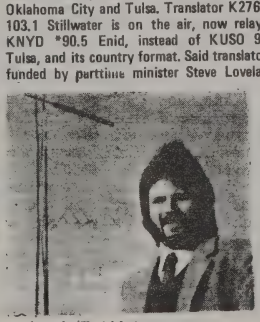
In move that could help DXers identify stations, the NAB advising stations to ID their frequencies properly. Since many radios are now electronically-tuned or "digital," NAB advises not to promote as "Power 105" or "AM 70," but to use exact frequency, such as many stations in Detroit are doing (see above, "NonIDs"). "NAB suggests you employ specific frequency references with many, if not all, your IDs. For example, in an informal ID, you could add a qualifier, 'This is Power 105—at 105.1 on your FM dial'. For hourly IDs, you may wish to add, although optional, your exact frequency."

Other features are found in this section of FMedia! including an editorial on public broadcasting funding, and "FMX Revisited: Has it Been Improved?" (a special report based on the latest tests), and then there's FM Forum. However, we'll continue with

Readers' Reports

Here are reports and comments covering both this month and last month. Norval Pagenhardt says he needs an FM Atlas real badly, and sorry that I cannot comply. The 1988 edition should be done and ready to send to the printers, hopefully by the time you read this, but it is too early to ask for advance orders. Norval and Hank Holbrook concur that 1987 was poor for skip—at least in eastern Maryland.

Danny Buntin sent an article about KOSU *91.7 Stillwater wanting to build a 305-meter antenna near Stillwater, but tall enough to "more than triple our coverage," including both Oklahoma City and Tulsa. Translator K276CM 103.1 Stillwater is on the air, now relaying KNYD *90.5 Enid, instead of KUSO 98.5 Tulsa, and its country format. Said translator is funded by parttime minister Steve Loveland, who has a background in public and top 40 radio. "There are a lot of hurting people who need to hear God loves them and that there's another way to succeed in life," said Loveland, who believes radio is a good vehicle for such a message.


Loveland at his tower

Mike Reid says CFBK (FM) 105.5 Huntsville ON started in June, and that CFBK AM was to have deleted Dec. 31. "They had a periodic insert about this that said 'don't worry; you may be surprised to find that even inexpensive radios today have FM'. CKLP 103.3 Parry Sound (ex CFBQ 1340) was a CFBK repeater when on AM. Not now."

Alain Pepin sent much PQ news, as well as news from his travels. He has compiled an interesting and quite professionally edited tape of his travels to the WTFDA convention, including a westward stop at Lincoln NE. All loggings are typed, and even include a bloopers section. He'd probably sell you a copy, or trade it for another tape, if you write him at 234 rue Montcalm, St-Jean-sur-Richelieu PQ J3B 3NB CANADA; (514) 346-4625. NonIDs, etc. that I picked off that tape will be in next month's VUD. Alain says "CKOI 96.9 Verdun PQ is still giving lots of impressive IDs with its 'C'est Quoi' jingles. Always 'CKOI 96.9 FM Montreal'. Still French and English contemporary hits. Studio is in Verdun."

Dave Sinclair: "Referring to page 6 of November's VUD, second to last paragraph; I am glad that the Showgun antenna brochures were taken [at the WTFDA convention in Esko], and I hope they were of interest." He sent an article on how the CBC wants to "apply immediately for an FM transmitter" in Victoria BC. Budget and technical constraints made the move impossible until now, but CKKQ 92.1, as reported above, fears possible usurpation by the CBC of its frequency. CKKQ will fight any possible move. "Cars have been painted, letterheads printed and all promotion has been geared to the call sign [sic] Q-92."

John Jefferson sent in more updatings, as the result of the trip he took, driving to the convention in Esko. He says KRKC-FM 102.1 King City CA expects to be on in February. "The KSTN-FM 107.3 Stockton $ mystery is solved. I am informed by FCC personnel that KSTN-FM was using a 19 kHz tone as some sort of signal that there had been an outage. That's why the phony $ showed up only after power failures! They have been informed that it's illegal to do that, so should have no more stereophony episodes. Still mono are KBBF 89.1 Santa Rosa and KKUP 91.5 Cupertino, as well as KSTN-FM.

"KRNO 106.9 Reno is now on Slide Mtn., with KIIQ-FM 104.5, KOLQ-8 and KREN-27, as well as KHZQ 96.5 Tahoe City and KHTZ 103.7 Carnelian Bay. They have about 37 kw, according to station personnel. Their signal is vastly improved in much of CA, as 9600' Slide Mtn. gives a much better shot to the west than 7600' Mt. McClelland. They should get out well to the east, as well, as 840-watt KRZQ was heard easily east of Battle Mtn. (at 180 miles) last July. KOSZ 107.1 Grover City should be on 107.3 this month. The owner, Rod Funston, is a one-time DXer, and we had quite a talk. . . It's unconfirmed, but I heard what seemed to be KVIK 91.5 Travis AFB one morning, just as I had to leave for work. Maybe it lives. KSFH 90.5 Mtn. View is definitely alive, though mono; I've heard it twice already this school year. I contacted one of the people behind KADV 90.5 Modesto, and there's no air date yet. He was under the impression the transmitter would be somewhere in town."

Mark Strickert offers to send along a current/updated LA FM station list, and I will share same after it arrives. I recently got a completed FM Dial History for Los Angeles and LA-

Suburban from Frank Drobny, as well as updatings for Portland OR and Baltimore-Washington. I checked through all of those, and added a few udpatings that I saw could be made, and did a dial guide for Chicago, which could see its initial publication here, if space permits. Other guides will be in FMedial Strickert, who "just rejoined WTFDA after 7 years away," operates "Decalomania" from Box 355, Berkeley CA 94701. It is a group interested in radio station programming, promotion items offered by stations, and members like to swap air check tapes of each other's markets.

Bill Fahber refers to both WOGL 98.1 and WIOQ 102.1 blowing each other off the FM dials with oldies, says "WEGX (Eagle 106) is having a blast. They're getting all of WCAU-FM's old listeners. A later newspaper article which I did not get to save pointed out that Philadelphia cannot support four oldies stations. It expects WFIL AM (which uses a satellite-fed oldies network) to change. WIOQ is also expected to drop out (although it is currently running a lucrative contest: If the tenth caller can name the last ten songs when he hears a cue, he wins $1020). Daytime only WPGR plays a different breed of oldies: plenty of '50s street-corner style, common in Philadelphia, and rarely anything from the '70s." WIOQ was reportedly caught "off guard" by the oldies move by WOGL 98.1, having suffered from lack of progress in getting better ratings, being clawed in a tight battle by The Eagle-106.1. WCAU-FM (now WOGL) made the move not so much to improve ratings, as to fill a void in the market, and anticipates no d-j changes, while at WIOQ there will be "something of a bloodbath. Out will be 6 to 10 p. m. jock Michael Tozzi as well as Mindy Magid," who worked 10 p. m. to 2 a. m. Overall, however, the number of oldies jobs in the city, with four such stations, has increased. "Hey, we've suddenly got an oldies war," howled Harvey Holiday, d-j at WPGR AM-1540.

Wendell Ford helped answer one of Ralph Strobel's questions about translators. "The W201AE 88.1 translator of WBGL 91.7 Champaign that Ralph Strobel has been receiving in Muncie IN is located on the WXFM 99.3 Mount Zion IL tower, which is located on the west side of Decatur. . .It is run through a yagi type antenna beamed eastward to cover Decatur, so it goes toward Muncie also, with 8 or 9 watts Muncie's way." But Ralph still wonders what WSSR Springfield IL is doing on 88.3, and he wrote WSSR, but no answer so far. Bruce Quinn suggests that Ralph may be getting an intermod product, or "phantom signal." Andy Bolin sent Ralph a legal ad for an application for 101.3A at Mattoon IL, filed by WKDJ, Inc. WWWO 93.5 Hartford City has gone to full Class A power and serving Anderson very well, and with offices or studios in Muncie. Ralph laments, "No DX here in months." Then, "I asked my winter quarter music appreciation class today how many sometimes listened to the AM radio band. I was surprised! Out of 25 students, three raised their hands. Usually none, as was the case in the previous classes."

Wendell Ford sent this logo for WVUR *95.1 Valparaiso IN, a 10-watter

WVUR-FM

THE SOURCE 95

VALPARAISO

Valparaiso's Favorite Music Station.

that gets out fairly well.

Pat Dyer: "No sooner did the Aug. VUD arrive with that 94.3 translator listed for Devine's 92.1 than the d— thing came on the air. It's about 10 times as strong as that one on 95.3, and appears to be designed to cover the west side of town (ID with 'Westplex'). While 94.3 had not been as useful in recent years years with Floresville and Kerrville on, I still had been able to manage a rare catch over them now and then. Not much chance now. The phone book has a local listeing for the Floresville station (KWCB), so I don't know how they like the intrusion of a translator on their frequency! (Maybe they should get one on 92.1!). Fred Laun will be permanently out of Nicaragua Nov. 7 (we'd expected him to be there until next summer). At least he was able to give us an idea of what the FM Es is like down there. 100.3 here now k (calls now KCYY); managed to chase off all the rock fans by running about three days of nothing but a cheap-sounding computerized voice doing a numerical countdown!" In a later letter, Pat writes:

"That phone number [in the San Antonio book for KWCB 94.3 Floresville] never seems to have anyone at it to answer! As I last remember them, they went to Spanish programming at night, with k during the day. I can't recall for sure if they were mono or stereo. That 94.3 translator is highly automated, since when Devine is off early Monday mornings, the tropo signals from New Braunfels or Kenedy will often suddenly turn the thing on (until they fade below its receiver threshhold). . . For all my griping about local 97.3, it did go off briefly (for a few hours) one early a. m. in October. I'm pretty sure that the Spanish that I got there then had to be Monterrey. Any hints as to when the next FM Atlas might become available? [No, see previous page, at the beginning of "Readers' Reports"—b.e.] Pat sent an article on how KSTX, an unbuilt public station on 89.1, may merge with c-formatted KPAC *90.9. KPAC would get more power, and KSTX would come on with more talk and NPR stuff. Article he sent was 1½ years old, and is the latest he has seen on the situation. He also sent his computerized log of FM stations received from MN, with WKLK-FM 100.9 Cloquet, where I work, received July 21, 1977, along with his impressive state and national FM reception statistics.

Bill Fait has logged the new WDON 104.9 Geneva OH in stereo, with ID saying "Geneva-Madison." They "often boast that they serve weird, esoteric places like Conneaut, Parkman, Rome, Mesopotamia and Ashtabula. I heard them claim to serve Gates Mills, then I went there to see if I could hear them on the car radio, and could not get them at all there and heard only WZLE [Lorain OH]. Advertisers on the station are from Mentor, Madison, Geneva, Saybrook and Ashtabula. I had the day off from work one day and drove all around listening to WDON in the car. I drove Ohio route 84 from Painesville to Madison, and the station was loud and clear. I drove through the Geneva area on state routes 531, 534 and 307 and got excellent reception. Sometimes when I listen to WDON in Painesville during tropo openings there is slight interference from WZLE. I work in Cleveland, and tune to 104.9 while driving to work. It sounds fine in Painesville and Mentor, but anywhere west of Mentor, forget it! You get a picket-fence effect, where the radio cuts back and forth between WDON and WZLE. Last week, I drove the new Interstate 480 from Olmsted Falls to Warrensville Heights, tuned to 104.9, and heard only WZLE, with no trace of WDON. Going north on I-271 to Willoughby Hills, I heard mostly WZLE, with slight interference from WDON. East of state route 306 on I-90, it was all WDON, with no trace of WZLE, 'Victory-105'. . . One thing I don't like about WDON is the way they cut songs off when they run more than five minutes. They did it with 'Summer' by War and with 'American Pie' by Don McLean, but they let 'Lying Eyes' by the Eagles play all the way through. Why? You may quote me in your newsletter. I would appreciate it if you would mention my name so I get credit for it. Please also remember that the opinions and observations expressed here are my own and do not necessarily reflect the views of WZLE, "WDON" or the WTFDA.

"Now it's Eric Bueneman's turn. It seems that I have had a larger 'margin of error' in my AM-FM estimate; 37% of all St. Louisans listen to AM radio, according to my estimates from the rating services, but it could be higher now, as KMOX-1120 posted a 25.2 rating, up from a 23.0! The secret of KMOX's success seems to be programming AT their audience, not TO their audience, as seems to be the practice on FM. KMOX has switched to Stereo operations, utilizing the Motorola system, my experience with AM $ is that it is really 'FM with AM characteristics'. As for the clearing up of the mess on AM and FM, the extension of the AM band to 1705 kHz, in my opinion, is only a short-term solution. The long-term solution is reallocation of the 2300-2500 kHz, 3200-3400 kHz and 225-240 mz bands to broadcasting. As far as 2300-2500 kHz and 3200-3400 kHz goes, the 2500 and 3330 kHz frequencies should be set aside for time and frequency stations WWV/WWVH (2500 kHz) and CHU (3330 kHz). Maximum powers that should be allowed on these proposed bands are 25 kw on the 2300-2500 kHz (AM2) and 3200-3400 kHz (AM3), 50 kw for WWV/WWVH and CHU, and 300 kw for 225-240 mz (FM2). Ownership regulations should be that no one company can own an AM, AM2, AM3, FM and FM2 station in the same market." AM-FM combinations would be legal. "Modulation standards should be 125% for FM2, and for AM2 and AM3, 90% by day and 85% by night. As for receiver manufacturing, the same quality should be put into FM and AM circuitry, like the audiophile circuitry found in the Carver TX-11a AM stereo/FM stereo receiver. All bands should be continuously tuned in stereo. As far as stations added goes, thousands of new stations could be added, while hundreds of AM and FM assignments could be eliminated. I suggest all WTFDAers should write the FCC and mention this proposal, and send a photocopy of your letter to the ITU in Geneva, Switzerland. Your letter can make a difference."

Offering a somewhat different viewpoint on AM-FM (and I am not endorsing either proposal) is Robert Grant, who spoke at the WTFDA:

"Some of the readers' comments in your column recently have grabbed my attention. I think Roger Winsor either sent you a very old Arbitron list, or pulled a fast one on you (about distant AMs being in the Chicago ratings). WBT is very difficult to hear in Chicago, even by a DXer. WBT beams northeastward at night to protect the skywave signal of KFAB Omaha, nulling out the midwest. KMOX St. Louis on adjacent certainly wouldn't help, either. . . Alan Almond now at WOMC 104.3 Detroit and almost nobody listens any more (being at four stations at one time or another can do that!)." WCZY-FM 95.5 will be WCZY, with the sale expected soon of WCZY AM. The sale of the AM 1500 should be categorized under 'AM Changes most likely caused by lack of available FM spectrum space'. Their first several weeks, as the (pardon my pun) 'born again WLQV' were sad, low budget Christian talk programs from a Washington-based network over a low-quality satellite link. The programming was full of sudden voice over IDs and long pauses with touch tones between programs. They sound much better now, but will probably never again compete with WEXL (AM 1340) and WMUZ (FM 103.5). The two-year gap as WCZY with top 40 will probably hurt forever, since the success of WCXI caused WDEE to give up the ghost on country, AM 1500 has been a museum of lost opportunities (they could have been a leading oldies station, a more powerful WCHB, they would still be a significant religioius station if only Gannett would have sold out before changing the AM to WCZY and simulcasting). Is Detroit now the only major market without any simulcasting? I remember

my stopover in Minneapolis (from the WTFDA convention), hearing the best-sounding AM, 980-WAYL, simulcasting the FM and IDing only as 'FM-94.'

"As for allowing U.S. AM stations to use European modulation standards, as suggested by Eric Bueneman: AMs in the U.S. are ALREADY ALLOWED to use less than 100% modualtion. They don't because then one station could be the loudest by going back to 100%! American radio also suffers from the effect of harsh audio processors 'needed' to 'stay competitively loud'. In European radio, there is no competition, and thus there are no harsh processors. I don't think that lousy audio is a necessary evil of competition, and I think that when all stations are the same 100% square wave buzz, the stations will agree to standardize on the same, clean processor, it is true that most transmitters distort primarily when in the range of more than 90% modulation, and that 85-90% modulation is often cleaner than 100%. A signal with 85% modulation is also less likely to be distored by a diode-detector receiver (that is, the type in general use) during a carrier fade, than a signal with 100% modulation. . . stations using C-Quam stereo are not supposed to exceed 85% negative modulation. I must strongly disagree that the 108-132 MFFM dial settings would be unusable [as Eric suggested], 'because people would think they were pirates in the VHF aviation band'." This is a poor reason because "the vast majority of listeners have never heard of any 'VHF Aviation Band', and anyone who would suspect such could grasp the dial-setting concept. The worst that could happen would be someone writing the FCC to report the 'pirates' and the FCC setting them straight. . . If MFFM is confusing to you, why don't you ask questions about it before negating it? I think that if I only said MFFM was 'to the listener, more FM stations at the top of the dial on newer radios, and for the AM broadcaster, the ability to start simulcasting on FM with a minimal investment and no new license for more 'spectrum' you would say my idea was 'too simple'. The technology for MFFM is already in use in stereo TV audio, color TV, AM stereo and cassette tapes. (The combination of these techniques, which are not mutually exclusive, is new). . . I hope that you will stop looking for the next 'problem' in MFFM and maybe support it, and take credit for helping inspire its creation through your criticisms of AM in your columns of the past four years. At least, I hope that the part of my lecture concerning the audio deficiencies of FM-SCA and NRSC-AM was well understood.

"I wish to thank you for holding a truly first-rate convention, and the wonderful E-skip you had catered in, and thanks to Carol and the three K's for their help with the convention." Enclosed were two 35-mm pictures taken of the convention, Stereo photography.

Frank Aden writes that KQPD Payette ID "is completely gone. I talked to the people who now have their old phone number, and they said the station was closed down 1½ years ago." To come back on the air as KORI-FM 100.3. KBSU *90.3 Boise applying to the FCC for translators in Magic Valley and atop Brundage Mountain in McCall. Station is also replacing its old 3,000 watt transmitter on Deer Point with a new one. KLCI 98.9 Nampa ID "is a mess, bad audio...They are in $, but not seem to be outputting a stereo separation to their transmitter, and may not even know how messed up it is." KMHD *89.1 Gresham OR has a a real oldies show, with Dan O'Keefe playing music back to the early 1900s. His "The Blue Room" is on 9 to 10 a.m. Saturdays.

Paul Gaines sent info on Detroit ratings. WJR still leads the pack, with WJLB 97.9 a distant second, then WJOI 97.1 and WHYT 96.3 tied with WWJ AM. Nick Lombardi sent an article on how Muzak is getting more contemporary—from the Oct. "Mix" magazine. He hopes I include DC in the FM Atlas map with DE and MD, and I think he and others will be pleased with how I handled the situation, taking no more pages. Tune in the 11th edition to find out how I did it! Nick writes: "I'm looking forward to seeing the new NC map, as the old one was getting quite crowded."

Eric Sundius sent info on the latest stations em' racing "New Wave" music (see "Formats").

Andy Smith (or is that his name?): "How about listing the live sports play-by-play networks?" No thanks—no time for that; I've got enough to do. Those interested can get the appropriate copies of the "Sporting News."

Dr. Ulrich Onken sent in several 10th ed. Atlas FM mistakes, all of which have been published in this column before. He did send some new information, and says he's in the WTFDA and a similar group in W. Germany, the UKW/TV-Arbeitskreis der AGDX. He says the 57 kHz ARI subcarrier is being changed in Europe to the newer RDS system, and I plan soon to include a coding (TH) for highway information at 57 kHz, once I get the complete listing from Blaupunkt or Technical Marketing Consultants, Valhalla NY. "In addition to the traffic message codes known from ARI, RDS will provide information on the program format, the program name and on alternative frequencies (for transmitter networks). In order to be compatible with ARI during a transition period, the digital RDS signals are modulated on the 57 kHz ARI carrier with a 90° phase shift to the ARI signals. As soon as ARI is dropped, RDS will work with a suppressed 57 kHz signal."

Chicago FM Station History
By Bruce F. Elving
All stations licensed Chicago, unless indicated otherwise

Freq.	1949	1954	1961	1967	1973	1980	1987
90.1	--	--	WMBI-FM	WMBI-FM	WMBI-FM	WMBI-FM	WMBI-FM
91.5	WBEZ	WBEZ	WBEZ	WBEZ	WBEZ	WBEZ	WBEZ
91.9	--	--	--	--	--	--	WJCH[1]
92.1	WILA[3]	--	--				
92.3	WJIZ	*WJOB-FM	WYCA	WYCA	WYCA	WYCA	WYCA[2]
92.7	WKER[4]	--	*WNWC	WNWC	WWMM	WWMM	WSEX[5]
93.1	*WFJL	*WFJL	WSBC-FM	WXRT	WXRT	WXRT	WXRT
93.5	WIMS-FM	WIMS-FM[6]	WAJP	WAJP	WAJP	WAJP	WTW[1]
93.9	WAAF-FM	WAAF-FM	WEBH	WEBH	WLAK	WLAK	WLAK
94.3	WRBI[23]	--	WRMN-FM	WRMN-FM	WJKL	WJKL	WJKL[7]
94.7	WENR-FM	WENR-FM	WENR-FM	WLS-FM	WDAI	WDAI	WYTZ
95.5	*WMBI-FM	--	WDHF	WDHF	WDHF	WMET	WRXR/ WNUA
95.9	--	WCHI[8]	WKKD-FM	WKKD-FM	WKKD-FM	WKKD	WKKD-FM[9]
95.9	--	--	--	--	WMCB	WMCB	WEFM[6]
96.3	WBIK	WBBM-FM	WBBM-FM	WBBM-FM	WBBM-FM	WBBM-FM	WBBM-FM
96.7	--	--	WJOL-FM	WJOL-FM	WJOL-FM	WLLI	WLLI[1]
96.7	--	--	WLOI-FM	WLOI-FM	WLOI-FM	WCOE	WCOE[10]
97.1	WBBM-FM	--	WNIB	WNIB	WNIB	WNIB	WNIB
97.9	WEHS	WEHS	WSDM	WSDM	WSDM	WLUP	WLUP
98.3	WOAK[11]	--	WRSV	WRSV[12]	--	WCCQ	WCCQ[13]
98.7	WGMB	--	WFMT	WFMT	WFMT	WFMT	WFMT
99.5	WEFM	WEFM	WEFM	WEFM	WEFM	WEFM	WUSN
100.3	WFMF	WFMF	WFMF	WFMF	WFMF	WLOO	WLOO
101.1	WMAQ-FM	WMAQ-FM	WMAQ-FM	WMAQ-FM	WMAQ-FM/WJOI (1975)/WNIS (1976)		
						WKQX	WKQX
101.9	WXRT*	--	WCLM	WCLM	WCLR	WCLR	WCLR[12]
102.3	WNOI	WOPA-FM[11]	WEFA	WEFA	WEFA	WEFA	WXLC[4]
102.3	--	--	--	WTAS	WTAS	WTAS	WTAS[16]
102.7	WMOR	--	WOPA-FM	WOPA-FM	WGLD	WBMX	WBMX[11]
103.1	WRGK[22]	--	WEEF-FM	WEEF-FM	WVVX-FM	WVVX	WVVX[15]
103.5	--	--	WKFM	WKFM	WFYR	WFYR	WFYR
103.9	WBNU[9]	--	WELG[7]	--	WVFV	WVFV	WCRM[25]
103.9	--	--	--	--	WFLM	WFLM	WWJY[17]
104.3	WCFL-FM	WSEL	WJJD-FM	WJJD-FM	WJJD-FM	WJEZ	WJMK
105.1	WEAW	WEAW	WEAW-FM	WEAW-FM	WOJO	WOJO	WOJO[18]
105.5	--	--	--	WREK	WSTK	WXRD	WXET[3]
105.5	--	--	--	--	WLJE	WLJE	WLJE[19]
105.9	--	WOAK[11]	WXFM	WXFM	WXFM	WXFM	WAGO/ WCKG[20]
106.3	WEXI[24]	--	WLNR	WLNR	WLNR	WLNR	WLNR[21]
106.7	WKRS-FM[4]	--	--	--	WYEN	WYEN	WZRC/ WTWV[14]
107.1	WLEY	WXFM[20]	--	--	WLCL	WLCL	WZVN[23]
107.5	--	--	WFMQ	WNUS-FM	WNUS-FM	WGCI	WGCI-FM
107.9	WTQS[18]	--	WMRO-FM	WMRO-FM	WAUR	WAUR	WAUR[9]

*WXRT Chicago started on 101.9, then after a hiatus, moved to 93.1 as WSBC-FM ("WCLM 101.9 was also licensed Chicago). Similarly, WMBI-FM started on the commercial frequency of 95.5, then left the air, returning later on 90.1. Other stations changing frequency were WOAK 98.3 Oak Park to 105.9, then to 98.7 as WFMT Chicago, WOPA-FM Oak Park moving from 102.3 to 102.7, WRSV 98.3 Skokie to 101.9. Also, WLFY-WXFM Elmwood Park from 107.1 to 105.9, and WBBM-FM from 97.1 to 96.3, after the demise of WBIK 96.3. WBIK was a casualty of the ABC-Paramount Theatres merger. Since ABC owned WENR-FM, and the theater group WBIK, one of the licenses had to be surrendered. In those days, you didn't sell FM stations—you turned the license into the FCC, and the call letters were deleted. The major growth in Chicago FM occurred between 1954 and 1961, with all but one of the high-powered, Chicago-licensed facilities occupied by the latter date. . . WFJL *93.1, owned by Lewis Institute of Technology, was an early experiment in public radio. I remember it for its live high-fidelity outdoor broadcasts of concerts from Grant Park.

Footnote references to cities: 1) Joliet IL; 2) Hammond IN; 3) Woodstock IL; 4) Waukegan IL; 5) Arlington Heights IL; 6) Michigan City IN; 7) Elgin IL; 8) Chicago Heights IL; 9) Aurora IL 10) La Porte IN; 11) Oak Park IL); 12) Skokie IL; 13) Crest Hill IL; 14) Des Plaines IL; 15) Highland Park IL; 16) Crete IL; 17) Crown Point IN; 18) Evanston IL; 19) Valparaiso IN; 20) Elmwood Park IL; 21) Lansing IL; 22) LaGrange IL; 23) Blue Island IL; 24) St. Charles IL; 25) Dundee IL. Sources for above: White's Radio Logs, 1949-1954; Vane Jones' North American Radio-TV Station Guide, 1961-1975; FM Atlas, 1972-1986, plus personal log books from having received many of the stations in the Duluth MN area.

Note: Only principal educational stations (88.1-91.9 mz) listed. (This dial guide edited for space reasons.)

Your help in pointing out any errors or omissions from the above will be appreciated. Dial histories needed from many other major markets, including Minneapolis-St. Paul, New Orleans, San Francisco, Boston, Seattle, Miami, Jacksonville, Milwaukee. They are fun to do if you have the resources to do one, and the time. The Chicago guide took me about five hours—researching time and computer formatting time. 73 Bruce

SATELLITE NEWS

George W. Jensen
4604 ANNTANA AVENUE
BALTIMORE, MARYLAND
21206-4220

A fairly small column this month - not too much going on.
First - MORELOS 1

The San Diego/Tijuana Relay seems to have ceased operation recently.
XPDR 12 - carries increasing numbers of feeds - also similar items noted on XPDRs 6 and 16 and 17.

C S S - CARIBBEAN SUPER STATION on Westar 5 - XPDR 23 - note received -they are relocating in Aruba and will return to the air upon completion. They are planning to offer stock options to help raise funds for the continuance of operation.

Showtime West is now on Galaxy 1 at XPDR 16
Its Satcom 3 feed was noted recently free and in the clear - somebody goofed.
Almost all of the Viacom Feeds from the Satcoms (3 & 4) should now be exclusively on Galaxy 3.

American Movie Classics on Satcom 4 XPDR 10 is now VC II scrambled and not as yet available to the TVRO audience.

PLAYBOY will scramble in about 6 months with VC II and will be available through the VIACOM Package at $60.00 per year - or $120.00 by itself.

SelecTV will soon be exclusively on Spacenet 2 - XPDR 3.
WESTAR 3 - Has somewhat regular News service from WTN/BBC/etc. in the PAL system. While I have a multi-standard system which permits reception of PAL and SECAM - The satellite receiver does not tune the colorburst frequency for these systems. I DO receive a stable solid picture, but in B&W. The same is true of Argentina on Intelsat at 53 W - but they use a different PAL format. These feeds have also been noted on Westar 4 & 5. generally between 5 & 7 PM/

Country Music Television is moving to Galaxy 1 XPDR 13 on December 15 and will simulcast on Telstar 3 until Dec. 31.

PBS is testing VC II on XPDR 23 with an authorization? code of UA - one I haven't seen before. Others noted on other services are FA/SA/SB/SM etc.

TV Sat - West Germany DBS has failed to deploy solar array and may be a bust.
There are delays being encountered in the Arianspace launch schedule - G-Star will not go until at least the end of January - with Spacenet 3 also being held back.

That's all for now - see you in 30.....,'73's

SHOWTIME

1988 UPDATES TO THE WTFDA TECHNICAL INDEX

ANTENNAS

094 DX'ing WITH INDOOR ANTENNAS - Manucci, 28 Jun 87 (2)

EQUIPMENT REVIEWS

096 ANTENNA NEWS - Wertman, 71 Sep 87 (1)
Channel Master #9520 rotor
099 SOME ANSWERS: BEST GEAR FOR TV & FM - Walczak, 39 Nov 87 (1)

INTERNATIONAL BROADCASTING

095 INTERNATIONAL DX - 70 Sep 87 (1)
Transatlantic ES observed by DX'er in the Netherlands
097 TRANSATLANTIC E-SKIP: SOME OBSERVATIONS - Emerson, 16 Oct 87 (1)

METEOR SCATTER PROPAGATION

090 METEOR SCATTER INSIGHTS - Fahber, 42 Dec 86 (1)

REGULATIONS, LAWS, & STANDARDS

089 ADVANCED TV SYSTEMS COMMITTEE B'CAST DEMO. - Monti, 7 Dec 86 (2)
HDTV proposal and tests in Washington, DC area
091 ANARC UPDATE - Sprachman, 22 Jan 87 (3)
The Electronic Communications Privacy Act; the legality of DX'ing
036 WTFDA CLUB STANDARDS - 46 Jly 87 (1)
Guidelines for computing DX distance records and scoreboard totals

TECHNICAL TOPICS

092 THE NATURE OF DX, PART 1 - McVey, 2 Feb 87 (5)
About the propagation of radio signals through the troposphere
093 THE NATURE OF DX, PART 2 - McVey, 30 Apr 87 (6)
How Tropo DX occurs
098 THE NATURE OF DX, PART 3 - McVey, 7 Nov 87 (5)
Tropospheric effects, path loss, fading, etc.

AND WITH THIS, the WTFDA Index and Reprint Service is complete from 1979 to 1987. The index originally appeared in the Dec. 86 VUD, pages 2-6. Anyone who wants a copy of the VUD index plus this update may get one by sending me a SASE. Any article listed in the Index may be reprinted on request. To get reprints, just write to me at the address below, and enclose five cents per page to cover copying and postage costs. The entries in this update are arranged as follows:

TITLE - Author, page number, Month, Year, (number of pages).

The three-digit number preceeding the title ranks the articles in chronological order.

The WTFDA is a GREAT CLUB with a lot of TALENT...the more you participate the better it gets. If you have ideas for technical articles you would like to write or see written, let me or HQ know. And if you have bought some DX equipment of any kind, be aware that the club would like to hear about it. If that new tuner is great, tell us its strengths; if it stinks, we would all like to avoid that model. Make use of the reprint service, as it is here to help you. Best wishes and Happy New Year!

TIM McVEY
9906 El Dee Drive
Ellicott City, MD 21043

December 1, 1987

Tel (301) 461-5697

WDCU-FM Jazz 90
is a public service of the
University of the District of Columbia

WDCU jazz 90FM

Note

The Baltimore Radio Reading Service is a closed-circuit radio station for listeners who cannot see, hold a book or turn a page. Newspapers, books and magazines are read aloud by volunteers. The broadcasts can be heard on a special radio, which can be obtained on loan by writing Baltimore Radio Reading Service, 2901 Liberty Heights Ave., Baltimore 21215, or by calling 366-0990. (WBJC 91.5 SCA)

SOUTHERN · FM DX

Danny Buntin
1312 N. Skyline
Stillwater, Ok 74074

January 1988 DEADLINE: 10th

For DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO, MS, NC, NM, NV, Ok, SC, TN, TX, UT, VA & WV. Also DC.

HAPPY NEW DXciting YEAR!

Bill Townshend, 4500 Conn. Ave. NW #901, Washington, DC 20008 EST

11/16 tr
0756 WTRG 100.7 NC Rocky Mount
0803 WRAL 101.5 NC Raleigh

11/16 tr
0812 WEQR 96.9 NC Goldsboro, T40
0822 WRNS 95.1 NC Kinston

It looks like I had a pipeline into North Carolina on that(otherwise damnable)Monday morning just before I went upstairs to work. Total heard now 159 with only 48 heard in my neighborhood with only 48 heard in my neighborhood. (Get a better piece of equipment that will really perform. Bill's present equipt.,a Realistic Portavision-40. DB)

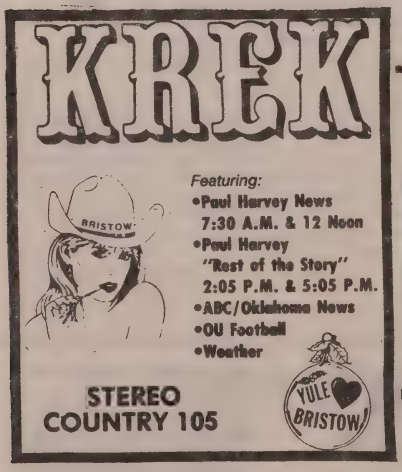
Matt Sittel, 220 Brookfield Dr., Kingsport, TN 37663

11/1 tr
0826 WSKZ 106.5 TN Chattanooga 186
11/2 tr
2220 WLAC 105.9 TN Nashville, ID 246
11/4 tr
1724 WLAC 105.9 TN Nashville, ID 246
1728 WUSY 100.7 TN Cleveland 168
11/8 tr
2157 WSKZ 106.5 TN Chattanooga 186
11/14 tr
1954 WZNY 105.7 GA Augusta,"Sunny 105" 205
11/15 tr
2059 WZLI 106.1 GA Toccoa 134
2100 WZYP 104.3 AL Athens, ID 274
11/16 tr
0637 WRDU 106.1 NC Wilson ID 267
1701 WLAC 105.9 TN Nashville, ID 246
1701 WZLI 106.1 GA Toccoa 134
1705 WHPE 95.5 NC High Point 144

11/23 tr
2029 WHPE 95.5 NC High Point 144
11/24 tr
0641 WUSY 100.7 TN Cleveland 168
0644 WMQX 93.1 NC Winston-Salem 130
(first time heard since 5/5/87)
11/25 tr
2101 WUSY 100.7 TN Cleveland 168
11/26 tr
2336 WZLI 106.1 GA Toccoa 134
11/28 tr
1341 WKLS 96.1 GA Atlanta,"96 Rock" 216
1343 WZNY 105.7 GA Augusta, ID 205
1344 WSTH 106.1 AL Alexander City 309
ms strong
1349 unID 105.9 AT 40 on
11/29 tr
0830 WSKZ 106.5 TN Chattanooga, ID 186
2107 WHAJ 104.5 WV Bluefield, ID 91

Not a great DX month, though a improvement over last month. Nothing new logged, but seemed like there were many more opportunities this month. No Thanksgiving tropofest this year, although WRDU came in very strong and was heard in Boone, NC on 11/29 and Waynesboro, VA. Instead, a TV skipfest? Strange, but nice to see something in the way of DX. 73's & super DX to all.

MORE, NEXT PAGE...



Ponca City's New Top Gun

John M. Jefferson, 4016 Crest Court, Pleasanton, CA 94566

Time for another report. The post-season has had a few gems to combat the ES withdrawal symptoms. After going without a MS logging until late July, I'm up to 5. In all, 66 for the year to match the '81 total. If December gets hot, I might even match '80's 72. The alltime best, 91 in '77, would appear safe from attack. As usual, underlined are new to the bay area, # means the older MR80 was used with the Winegard at 15' (else with MR80 #2 on the SW-Probe, which seems nearer to 60' than to 55' as previously estimated). * means logged with the Blaupunkt on Kirker Pass Road, which is in the Concord logging area (included as a bay area, but not as a Pleasanton, logging).

TIME	CALLS	FREQ	ST	CITY	DIST	REMARKS
8/29 Semilocal						
1736	*KRZQ	96.5	CA	Tahoe City	140	Local ad u/ KOIT
10/20 MS						
0337	KTRA	102.1	NM	Farmington	750	Calls
10/21 MS						
0800	#KKLA	99.5	CA	Los Angeles	315	Local ann's
11/8 MS						
0818	KRSJ	100.5	CO	Durango	770	Calls, lcl ad
11/13 MS						
0835	KRIC?	100.5	ID	Rexburg		C for 3 min, fadeout at announcement. Aargh!
11/15 MS						
0200	KGMG	102.1	CA	Oceanside	390	San Diego ad
11/19 MS						
0300	KGIL	94.3	CA	San Fernando	295	Calls
11/27 Semilocal						
1459	#KLZC	107.5	CA	Freedom	55	ID; new
11/29 MS						
0415	KTRA	102.1	NM	Farmington		Calls, wx
12/2 MS						
0650	#KCPX	98.7	UT	Salt Lake City	560	Calls, Power-99

That's it for now. Rather brief compared with the last, but no complaints. KGIL has to be as improbable a catch as last July's WYAY Gainesville GA: they're in a deep valley with no hope for trops this direction (-130' sat), and seemingly too close for MS. It was a short burst, but easily readable & perfect timing. And a class A, at that (my 4th by MS).

A footnote to last summer's trip to the convention. During my overnight stop in Albert Lea MN I logged at least one station on every FM channel. Took me 20 years to manage that here (but I didn't have the Mack then).

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228

JUNE

9:

1949	KNFM	92.3	TX	MIDLAND
2141	WZEE	104.1	WI	MADISON
2143	WILV	94.9	WI	BARABOO

10:

1525	WHBC-	94.1	OH	CANTON
1531	WFCJ	93.7	OH	MIAMISBURG
1535	WNCI	97.9	OH	COLUMBUS
1538	WKDD	96.5	OH	AKRON
1540	WMHE	92.5	OH	TOLEDO
1541	WAXI	96.7	IN	ALEXANDRIA
1542	CKLW-	93.9	ON	WINDSOR
1543	WFBQ	94.7	IN	INDIANAPOLIS
1544	CKSY	95.1	ON	CHATHAM
1550	WJLB	97.9	MI	DETROIT
	WCSX	94.7	MI	BIRMINGHAM
1555	CJOM	88.7	ON	WINDSOR
1556	WAJI	95.1	IN	FORT WAYNE
1600	WRDL	88.9	OH	ASHLAND

13:

1909	WVPN	88.5	WV	CHARLESTON
2252	XHRM	92.5	BCN	TIJUANA
2253	XETRA-	91.1	BCN	TIJUANA

14:

0838	WEOW	92.5	FL	KEY WEST
0839	WIXV	95.5	GA	SAVANNAH
0841	WBYZ	94.5	GA	BAXLEY
0843	WJCL-	96.5	GA	SAVANNAH
0845	WCHY	94.1	GA	SAVANNAH
0846	WSSX	95.1	SC	CHARLESTON
1059	WYYD	107.9	VA	AMHERST
1100	WTVR-	98.1	VA	RICHMOND
1103	WXBQ	96.9	TN	BRISTOL
1105	WXCC	96.5	WV	WILLIAMSON
1134	WEMM	107.9	WV	HUNTINGTON
1135	WPTW-	95.7	OH	PIQUA
1137	WBVE	96.5	OH	HAMILTON
1138	WLAP-	94.5	KY	LEXINGTON
1139	WSLM-	98.9	IN	SALEM
1141	WWEZ	92.5	OH	CINCINNATI

14 June

1142	WDFM	98.1	OH	DEFIANCE
1144	WPAY-	104.1	OH	PORTSMOUTH
1146	WHIO-	99.1	OH	DAYTON
1156	KSDN-	94.1	SD	ABERDEEN
1159	KNLV-	103.9	NE	ORD
1200	WIKY	104.1	IN	EVANSVILLE
	WLBC-	104.1	IN	MUNCIE
	WTTS	92.3	IN	BLOOMINGTON
1215	WILV	94.9	WI	BARABOO
1216	KOEL-	92.3	IA	OELWEIN
1219	WNCI	97.9	OH	COLUMBUS
1222	KOHU	104.1	SD	YANKTON
1224	WAMO-	105.9	PA	PITTSBURGH
1244	KBYZ	96.5	ND	BISMARCK
1246	KWYR-	93.7	SD	WINNER
1253	KMCM	92.5	MT	MILES CITY
1259	KPLO-	94.5	SD	RELIANCE
1303	KQDJ-	95.5	ND	JAMESTOWN
1310	WWJO	98.1	MN	ST. CLOUD
1328	KMPR	88.9	ND	MINOT
1958	KBEM	88.5	MN	MINNEAPOLIS
1959	KESD-	88.3	SD	BROOKINGS
2012	WJPD-	92.3	MI	ISHPEMING
2035	WZEE	104.1	WI	MADISON
2036	WKTI	94.5	WI	MILWAUKEE
2045	WBKV-	92.5	WI	WEST BEND
2049	WAPL-	105.7	WI	APPLETON
2116	KLZY	92.5	WY	POWELL
2144	KSTP-	94.5	MN	ST. PAUL
2150	KQRS-	92.5	MN	GOLDEN VALLEY
2232	KQDY	94.5	ND	BISMARCK

15:

0847	KBEM	88.5	MN	MINNEAPOLIS
0940	KQDS	94.9	MN	DULUTH
1003	WNIU	89.5	IL	DE KALB
1009	WIAA	88.3	MI	INTERLOCHEN
1010	WBKV-	92.5	WI	WEST BEND
1012	KPLO-	94.5	SD	RELIANCE

16:

1927	WBEE-	92.5	NY	ROCHESTER
2039	WDOR-	93.9	WI	STURGEON BAY
2042	WRWC	103.1	IL	ROCKTON
2045	WMLW	94.1	WI	WATERTOWN
	WKTT	103.1	WI	CLEVELAND
2053	WAPL-	105.7	WI	APPLETON
2059	WRUP	103.3	MI	MARQUETTE

17:

0622	KQIP	96.9	TX	ODESSA
0627	KNFM	92.3	TX	MIDLAND
0630	KODM	97.9	TX	ODESSA
1608	WIAL	94.1	WI	EAU CLAIRE
1613	WAKX	98.9	MN	DULUTH
1659	WMUB	88.5	OH	OXFORD
	WNIN	88.3	IN	EVANSVILLE
1700	WRQC	92.3	OH	CLEVELAND HTS
1702	WVNO	106.1	OH	MANSFIELD
1705	WSLM-	98.9	IN	SALEM
1709	CKSY	95.1	ON	CHATHAM

18:

1131	XHRM	92.5	BCN	TIJUANA
1132	KYXY	96.5	CA	SAN DIEGO
1135	XETRA-	91.1	BCN	TIJUANA

19:

1150	WWKA	92.3	FL	ORLANDO
1222	WHLZ	93.5	SC	MANNING
1232	WKXS	94.3	SC	MARION

19

1241	WDZD	93.5	NC	SHALLOTTE
1246	WMTZ	94.3	GA	MARTINEZ
1248	WSTS	96.5	NC	LAURINBURG
1250	WPUB-	94.3	SC	CAMDEN
1251	WSCZ	96.7	SC	GREENWOOD
1305	WVBS-	99.9	NC	BURGAW
1309	WNGC	95.5	GA	ATHENS
1315	WZFX	99.1	NC	WHITEVILLE
1318	WRNS	95.1	NC	KINSTON
1320	WQXI-	94.1	GA	SMYRNA
1334	WKSI	98.7	NC	GREENSBORO
1335	WQDR	94.7	NC	RALEIGH
	WROQ	95.1	NC	CHARLOTTE,
1341	WBCY	107.9	NC	CHARLOTTE
1342	WPEG	97.9	NC	CONCORD
	WSPA-	98.9	SC	SPARTANBURG
1348	WAKG	103.3	VA	DANVILLE
1349	WVKS	103.1	TN	ETOWAH
1350	WIKQ	94.9	TN	GREENVILLE
1353	WTQR	104.1	NC	WINSTON-SALEM
1403	WPAY-	104.1	OH	PORTSMOUTH
1406	WSIP-	98.9	KY	PAINTSVILLE
	WVAF	99.9	WV	CHARLESTON
1408	WXCC	96.5	WV	WILLIAMSON
	WTCR-	103.3	WV	HUNTINGTON
1413	WPVR	94.9	VA	ROANOKE
1416	WFLO-	95.7	VA	FARMVILLE
1423	WXTC	96.9	SC	CHARLESTON
1424	WLHN	97.9	IN	ANDERSON
1434	WNCI	97.9	OH	COLUMBUS
1435	WLAP-	94.5	KY	LEXINGTON
1436	WMYG	96.9	PA	BRADDOCK
1438	WBTU	93.3	IN	KENDALLVILLE
1440	WTFM	98.5	TN	KINGSPORT
	WLLT	94.9	OH	FAIRFIELD
1442	WEQR	96.9	NC	GOLDSBORO
1445	WJJM-	94.3	TN	LEWISBURG
	WDBN	94.9	OH	MEDINA
1447	WVNO	106.1	OH	MANSFIELD
1449	WJDJ	93.9	KY	BURNSIDE
1452	WNVI	106.1	IN	NORTH VERNON
1453	WTTS	92.3	IN	BLOOMINGTON
1455	WKQQ	98.1	KY	LEXINGTON
1456	WYAV	104.1	SC	CONWAY
1458	WOOD-	105.7	MI	GRAND RAPIDS
1501	WLBC-	104.1	IN	MUNCIE
1503	WMDH	102.5	IN	NEW CASTLE
1505	WTPI	107.9	IN	INDIANAPOLIS
1508	WHIC-	94.3	KY	HARDINSBURG
1513	WDFM	98.1	OH	DEFIANCE
1515	WBVE	96.5	OH	HAMILTON
1520	WRDU	106.1	NC	WILSON
1522	WCRZ	107.9	MI	FLINT
1523	WJZZ	105.9	MI	DETROIT
1524	WCKG	105.9	IL	ELMWOOD PARK
1525	WLEN	103.9	MI	ADRIAN
	WOSE	94.5	OH	PORT CLINTON
1528	WKKO	99.9	OH	TOLEDO
1531	WXTZ	103.3	IN	INDIANAPOLIS
1535	WAJI	95.1	IN	FORT WAYNE
1537	WOKZ	104.9	IN	MUNCIE
1540	WFMK	99.1	MI	EAST LANSING
1546	WLST	95.1	WI	MARINETTE
	WMLW	94.1	WI	WATERTOWN
1547	WRCE	94.3	WI	NEENAH
1549	WDUZ-	98.1	WI	GREEN BAY
1551	WLAV	95.9	MI	GRAND RAPIDS
1553	WAOR	95.5	MI	NILES
1558	WILV	94.9	WI	BARABOO
2201	KDLO-	96.9	SD	WATERTOWN
2205	KBYZ	96.5	ND	BISMARCK

20:

0714	WHLZ	92.5	SC	MANNING
0723	WIAL	94.1	WI	EAU CLAIRE
0731	KGGO	94.9	IA	DES MOINES
0735	KOSG	92.7	IA	OSAGE
0749	KQRS-	92.5	MN	GOLDEN VALLEY
0751	KTIS-	98.5	MN	MINNEAPOLIS
0752	KMGK	107.9	MN	ANOKA
0753	KRIT	96.9	IA	CLARION
0754	KDWB-	101.3	MN	RICHFEILD
0757	KTCZ	97.1	MN	MINNEAPOLIS
	KSTP-	94.5	MN	ST. PAUL
0759	WWJO	98.1	MN	ST. CLOUD
0800	WSTS	96.5	NC	LAURINBURG
0803	KGRQ	94.5	WY	CASPER
0804	KYOU	92.5	CO	GREELEY
0805	KKRL	93.7	IA	CARROLL
0807	KUAD	99.1	CO	WINDSOR
0810	KVOX-	99.9	MN	MOORHEAD
0811	KERB-	106.3	TX	KERMIT
0815	KFNW-	97.9	ND	FARGO
0817	KGEE	99.9	TX	MONAHANS
	KTCL	93.3	CO	FORT COLLINS
0819	WDAY-	93.7	ND	FARGO
0821	KCGY	95.1	WY	LARAMIE
0826	KSCR	93.5	MN	BENSON
0828	KXRA-	92.7	MN	ALEXANDRIA
0832	KELO-	92.5	SD	SIOUX FALLS
0850	KMSR	94.3	MN	SAUK CENTRE
0852	KIKV	100.7	MN	ALEXANDRIA
0858	KNNS	96.9	MN	GRAND RAPIDS
1953	KNFM	92.3	TX	MIDLAND
2032	KPCC	89.3	CA	PASADENA
2051	XHRM	92.5	BCN	TIJUANA
2119	KCHV	93.7	CA	COACHELLA
2122	XETRA-	91.1	BCN	TIJUANA
2125	KFSD	94.1	CA	SAN DIEGO
2128	XHKY	95.7	BCN	TIJUANA

21:

1025	KNFM	92.3	TX	MIDLAND
1033	KBYU	88.9	UT	PROVO
1053	KLCY-	94.1	UT	SALT LAKE CITY
1057	KTOU	94.9	UT	PROVO

22:

0849	WINC-	92.5	VA	WINCHESTER
0852	WXLK	92.3	VA	ROANOKE
0854	WYST-	92.3	MD	BALTIMORE
0859	WPFW	89.3	DC	WASHINGTON
0929	WKDD	96.5	OH	AKRON
0930	WWNK-	94.1	OH	CINCINNATI
0932	WFLO-	95.7	VA	FARMVILLE
0934	WTFM	98.5	TN	KINGSPORT
0937	WSLQ	99.1	VA	ROANOKE
0949	WMYG	98.9	PA	BRADDOCK
0952	WRVQ	94.5	VA	RICHMOND
0956	WQSF-	96.5	VA	WILLIAMSBURG
0957	WTQR	104.1	NC	WINSTON-SALEM
1007	WVTF	89.1	VA	ROANOKE
	WRVL	88.3	VA	LYNCHBURG
1058	WHBC-	94.1	OH	CANTON
1100	WTOF-	98.1	OH	CANTON
1104	WNCI	97.9	OH	COLUMBUS
1105	WHIO-	99.1	OH	DAYTON
1111	WRQC	92.3	OH	CLEVELAND HTS
1118	CJBX	92.7	ON	LONDON
1119	WMHE	92.5	OH	TOLEDO
1121	CKGL	96.7	ON	KITCHENER
1122	CKLW-	93.9	ON	WINDSOR

25:

0727	WEAA	88.9	MD	BALTIMORE
0729	WAMU	88.5	DC	WASHINGTON

26:

1508	KIWR	89.7	IA	COUNCIL BLUFFS

27:

0718	KBHE-	89.3	SD	RAPID CITY
0809	KLCY-	94.1	UT	SALT LAKE CITY

29:

0738	WPAP	92.5	FL	PANAMA CITY
0741	WMTM-	93.9	GA	MOULTRIE
0750	WHLZ	92.5	SC	MANNING
0752	WYAV	104.1	SC	CONWAY
0758	WSSX	95.1	SC	CHARLESTON
0759	WSCI	89.3	SC	CHARLESTON
	WYFS	89.5	GA	SAVANNAH
0806	WJCL-	96.5	GA	SAVANNAH
0815	WAYS	99.1	GA	MACON
0830	WFCH	88.5	SC	CHARLESTON
1224	WTQR	104.1	NC	WINSTON-SALEM
1228	WPVR	94.9	VA	ROANOKE
1238	WRNS	95.1	NC	KINSTON
1247	WZFX	99.1	NC	WHITEVILLE
1250	WQSM	98.1	NC	FAYETTEVILLE
	WKSI	98.7	NC	GREENSBORO
1303	WNCT-	107.9	NC	GREENVILLE
1329	WQSF-	96.5	VA	WILLIAMSBURG
1338	WRVQ	94.5	VA	RICHMOND
1339	WMEV-	93.9	VA	MARION
1340	WTFM	98.5	TN	KINGSPORT
1347	WGGC	95.1	KY	GLASGOW
1351	WINC-	92.5	VA	WINCHESTER
1352	WLAP-	94.5	KY	LEXINGTON
1355	WMJD	97.7	VA	GRUNDY
1358	WSIP-	98.9	KY	PAINTSVILLE
1402	WYYD	107.9	VA	AMHERST
1407	WLLT	94.9	OH	FAIRFIELD
1408	WMHE	92.5	OH	TOLEDO
1411	WNWN	98.5	MI	COLDWATER
1412	WXGT	92.3	OH	COLUMBUS
1414	WDFM	98.1	OH	DEFIANCE
1416	WERT-	98.9	OH	VAN WERT
1419	WTHI-	99.9	IN	TERRE HAUTE
1421	WTNJ	105.9	WV	MOUNT HOPE
1424	WMIX-	94.1	IL	MOUNT VERNON
1431	WSLM-	98.9	IN	SALEM
	WBSW	99.9	IL	KANKAKEE
1433	WSHW	99.7	IN	FRANKFORT
1434	WAJK	99.3	IL	LA SALLE
1436	WDEK	92.5	IL	DE KALB
1437	WYCA	92.3	IN	HAMMOND
1441	CKLW-	93.9	ON	WINDSOR
1443	WKTI	94.5	WI	MILWAUKEE
1444	WJLB	97.9	MI	DETROIT
1448	WBKV-	92.5	WI	WEST BEND
1451	WNSN	101.5	IN	SOUTH BEND
1452	WHBF-	98.9	IL	ROCK ISLAND
1457	WMGN	98.1	WI	MADISON
	WKVI-	99.3	IN	KNOX
1459	KIIK	103.7	IA	DAVENPORT
1501	WITL-	100.7	MI	LANSING
1508	WDOR-	93.9	WI	STURGEON BAY
1510	WMLW	94.1	WI	WATERTOWN
1514	WYCO	107.9	WI	WAUSAU
1519	WRUP	103.3	MI	MARQUETTE
1523	WIRX	107.1	MI	ST. JOSEPH
1531	WGCL	98.5	OH	CLEVELAND

(29:)

1605	IIKK	108.7	IL	KANKAKEE
1619	WKHQ-	105.9	MI	CHARLEVOIX
1624	WMIL	106.1	WI	WAUKESHA
1628	IRAC	108.7	WI	RACINE
1637	WAUR	107.9	IL	AURORA
1639	WCRZ	107.9	MI	FLINT
1648	WYTE	96.7	WI	WHITING
1649	WMYX	93.1	WI	MILWAUKEE
1651	KTCZ	97.1	MN	MINNEAPOLIS
1653	WSPT-	97.9	WI	STEVENS POINT
1654	WMT-	96.5	IA	CEDAR RAPIDS
1700	WHWL	95.7	MI	MARQUETTE
1705	WJPD-	92.3	MI	ISHPEMING
1722	KMPR	88.9	ND	MINOT
1812	KDDR-	92.3	ND	OAKES
1814	KSDN-	94.1	SD	ABERDEEN
2110	CBL-	94.1	ON	TORONTO
2146	KCCK	88.3	IA	CEDAR RAPIDS
2155	WIAL	94.1	WI	EAU CLAIRE
2201	WCAL-	89.3	MN	NORTHFIELD
2212	KJJK	96.5	MN	FERGUS FALLS
2222	KPLO-	94.5	SD	RELIANCE

30:

0847	WKEZ	94.1	VA	YORKTOWN
0849	WKRR	92.3	NC	ASHEBORO
0855	WKOQ	94.1	NC	LEXINGTON
0857	WSPA-	98.9	SC	SPARTANBURG
0858	WJZR	99.7	NC	KANNAPOLIS
0900	WESC-	92.5	SC	GREENVILLE
0905	WZZU	93.9	NC	BURLINGTON
0909	WEQR	96.9	NC	GOLDSBORO
0944	WHLZ	92.5	SC	MANNING
1035	WHCJ	88.5	GA	SAVANNAH
1117	KESD-	88.3	SD	BROOKINGS
1121	KDCR	88.5	IA	SIOUX FALLS
1132	KJCK-	94.5	KS	JUNCTION CITY
1138	KELO-	92.5	SD	SIOUX FALLS
1141	KQHU	104.1	SD	YANKTON
1148	KTOU	94.9	UT	PROVO
1152	KZAN	97.9	UT	OGDEN
	KCPX-	98.7	UT	SALT LAKE CITY
1200	KBYU	88.9	UT	PROVO
1225	KLZY	92.5	WY	POWELL
1233	KAAQ	105.9	NE	ALLIANCE
1237	KSID-	98.7	NE	SIDNEY
1241	KNEB-	94.1	NE	SCOTTSBLUFF
1242	KOLL	96.9	WY	GILLETTE
1245	KTAK	93.9	WY	RIVERTON
1250	KTAG	97.9	WY	CODY
1259	KBHE-	89.3	SD	RAPID CITY
1300	KGWY	100.7	WY	GILLETTE
1301	KBPI	105.9	CO	DENVER

(30:)

1424	KPLO-	94.5	SD	RELIANCE
1444	KWYR-	93.7	SD	WINNER
1453	KSRZ	94.9	NE	NORTH PLATTE
1529	KLWD	96.5	WY	SHERIDAN
1549	KYYA	93.3	MT	BILLINGS

FM LOG (July 1987)

4:

0950	WWKA	92.3	FL	ORLANDO
1000	WPIO	89.3	FL	TITUSVILLE
1001	WMNF	88.5	FL	TAMPA
1020	WGYL	93.5	FL	VERO BEACH
1026	WRSQ-	104.7	FL	TAMPA
1028	WYNF	94.9	FL	TAMPA
	WVFM	94.1	FL	LAKELAND
1029	WPDS	93.3	FL	TAMPA
1057	WHTQ	96.5	FL	ORLANDO
1229	WFCH	88.5	SC	CHARLESTON
1230	KSSD	92.5	UT	CEDAR CITY
1240	KZEZ	93.5	UT	ST. GEORGE
1304	KVWM-	93.5	AZ	SHOW LOW
1315	KRFM	96.5	AZ	SHOW LOW
1318	KCEP	88.1	NV	LAS VEGAS
1323	KKFR	92.3	AZ	GLENDALE
1323	KUNV	91.5	NV	LAS VEGAS
1629	WTTS	92.3	IN	BLOOMINGTON
1658	WEKU	88.9	KY	RICHMOND
1659	WVPN	88.5	WV	CHARLESTON
1725	WLLT	94.9	OH	FAIRFIELD
1739	WSNY	94.7	OH	COLUMBUS
1754	WTCR-	103.3	WV	HUNTINGTON
1757	WLAC-	105.9	TN	NASHVILLE
1952	KNFM	92.3	TX	MIDLAND

5:

1329	KOPR	94.1	MT	BUTTE
1420	KLCY-	94.1	UT	SALT LAKE CITY
1421	KZAN	97.9	UT	OGDEN
1504	WWNK-	94.1	OH	CINCINNATI
1535	KKFR	92.3	AZ	GLENDALE
1807	KRFM	96.5	AZ	SHOW LOW

6:

1611	KQRS-	92.5	MN	GOLDEN VALLEY

7:

1619	WXTC	96.9	SC	CHARLESTON

9:

1525	WHLZ	92.5	SC	MANNING
1616	WGFA-	94.1	IL	WATSEKA
1625	WVPE	88.1	IN	ELKHART
1632	WCMU	89.5	MI	MOUNT PLEASANT

10:

0854	WEOW	92.5	FL	KEY WEST
0936	WZTA	94.9	FL	MIAMI BEACH
0937	WLVE	93.9	FL	MIAMI BEACH
0938	WCMQ-	92.3	FL	HIALEAH
0939	WKQS	99.9	FL	BOCA RATON
1000	WMNF	88.5	FL	TAMPA
1013	WCVU	94.5	FL	NAPLES
1016	WMCU	89.7	FL	MIAMI
1043	KQXY	94.1	TX	BEAUMONT
1044	WDNA	88.9	FL	MIAMI
1057	WINK-	96.9	FL	FORT MYERS
1222	KZXK	96.9	NE	SEWARD
1224	KLOH-	98.7	MN	PIPESTONE
	KSEZ	97.9	IA	SIOUX CITY
1225	WOW-	94.1	NE	OMAHA
1229	KGOR	99.9	NE	OMAHA
1232	KQHU	104.1	SD	YANKTON
1234	KMIT	105.9	SD	MITCHELL
1247	KVEE	92.3	CO	GRAND JUNCTION
1250	KVFM	94.5	UT	LOGAN
1254	KPRN	88.5	CO	GRAND JUNCTION
1258	KUSU	91.5	UT	LOGAN
1302	KEZJ	95.7	ID	TWIN FALLS
1317	KLCY-	94.1	UT	SALT LAKE CITY
1334	KZHQ	93.7	ID	POCATELLO
1348	KPKY	94.5	ID	POCATELLO
1529	WIEB	89.3	NC	NEW BERN
1912	KOMP	92.3	NV	LAS VEGAS
1944	KXTZ	94.1	NV	HENDERSON
2005	KCEP	88.1	NV	LAS VEGAS

CONT., NEXT PAGE....

11:

1446	WXLK	92.3	VA	ROANOKE
1459	WSCI	89.3	SC	CHARLESTON
	WFCH	88.5	SC	CHARLESTON
1649	WSNY	94.7	OH	COLUMBUS
1652	WDJQ	92.5	OH	ALLIANCE
1659	WXGT	92.3	OH	COLUMBUS
	WTOF-	98.1	OH	CANTON
1700	WRRN	92.3	PA	WARREN
1705	WWNK-	94.1	OH	CINCINNATI
1706	WHBC-	94.1	OH	CANTON
1737	KNFM	92.3	TX	MIDLAND
1742	KEZU	94.5	KS	SCOTT CITY
1754	KTWV	94.7	CA	LOS ANGELES
	WAMO-	105.9	PA	PITTSBURGH
1757	KCHV	93.7	CA	COACHELLA
1758	KKZZ	106.3	CA	LANCASTER
1759	KONC	106.3	AZ	SUN CITY
	KWVE	107.9	CA	SAN CLEMENTE
1802	KBIG-	104.3	CA	LOS ANGELES
1806	KLOS	95.5	CA	LOS ANGELES
1809	KNTF	93.5	CA	ONTARIO
1812	KMEO-	96.9	AZ	PHOENIX
1813	KFAC-	92.3	CA	LOS ANGELES
1822	KZLA	93.9	CA	LOS ANGELES
1842	KSDS	88.3	CA	SAN DIEGO
1849	KKFR	92.3	AZ	GLENDALE
1850	KSLX	100.7	AZ	SCOTTSDALE
1851	KOOL-	94.5	AZ	PHOENIX
1853	XHRM	92.5	BCN	TIJUANA
1858	KKLT	98.7	AZ	PHOENIX
1859	XHMMF	92.3	BCN	MEXICALI
1900	KWSI	96.5	OR	WARM SPRINGS

12:

0830	WGWG	88.3	NC	BOILING SPRINGS
0849	WKOQ	94.1	NC	LEXINGTON
0852	WKRR	92.3	NC	ASHEBORO
1035	KZRK	94.5	TX	GAINESVILLE
1036	KBHE-	89.3	SD	RAPID CITY
1038	KRCS	93.1	SD	STURGIS
1045	KQSK	97.5	NE	CHADRON
1051	KSQY	95.1	SD	DEADWOOD
1052	KKLS-	93.9	SD	RAPID CITY
1054	KMCM	92.5	MT	MILES CITY
1058	KSTP-	94.5	MN	ST. PAUL
1115	KYYA	93.3	MT	BILLINGS
1120	KGWY	100.7	WY	GILLETTE
1128	KTAG	97.9	WY	CODY
1130	KLZY	92.5	WY	POWELL
1136	KROE-	94.9	WY	SHERIDAN
1142	KTAK	93.9	WY	RIVERTON
1147	KLGT	92.7	WY	BUFFALO
1206	WIKQ	94.9	TN	GREENVILLE
1208	WXLK	92.3	VA	ROANOKE

13:

0744	XHRJ	92.5	MEX	TOLUCA
0816	KHER	94.3	TX	CRYSTAL CITY

14:

0733	KSSD	92.5	UT	CEDAR CITY
0759	KZEZ	93.5	UT	ST. GEORGE
0800	KNLB	88.9	AZ	LAKE HAVASU CITY
2059	KPCC	89.3	CA	PASADENA
2125	KFSD	94.1	CA	SAN DIEGO

16:

2049	KQRS-	92.5	MN	GOLDEN VALLEY

17:

1013	WEOW	92.5	FL	KEY WEST
1018	TG--	94.9	Gua	GUATEMALA CITY
1028	----	88.9	Bze	BELIZE CITY
1031	WCMQ-	92.3	FL	HIALEAH
1043	TG--	88.8	Gua	GUATEMALA CITY
1059	WMCU	89.7	FL	MIAMI
1107	TG--	88.1	Gua	GUATEMALA CITY
1120	WCHY	94.1	GA	SAVANNAH
1124	WDZD	93.5	NC	SHALLOTTE
1129	WFCH	88.5	SC	CHARLESTON
1137	WXTC	96.9	SC	CHARLESTON
	WHLZ	92.5	SC	MANNING
1139	WKEZ	94.1	VA	YORKTOWN
1147	WHYC	88.5	NC	SWAN QUARTER
1150	WESC-	92.5	SC	GREENVILLE
1151	WEQR	96.9	NC	GOLDSBORO
1159	WRVL	88.3	VA	LYNCHBURG
1200	WFSS	89.1	NC	FAYETTEVILLE
1202	WYFL	92.5	NC	HENDERSON
1207	WZZU	93.9	NC	BURLINGTON
1217	WPVR	94.9	VA	ROANOKE
1220	WXLK	92.3	VA	ROANOKE
1223	WYYD	107.9	VA	AMHERST
1224	WMZQ	98.7	DC	WASHINGTON
1228	WSIP-	98.9	KY	PAINTSVILLE
1232	WPDX-	104.9	WV	CLARKSBURG
1234	WCKQ	103.9	KY	CAMPBELLSVILLE
1236	WINC	92.5	VA	WINCHESTER
1237	WXKX	103.1	WV	PARKERSBURG
1238	WLAP-	94.5	KY	LEXINGTON
1240	WKQI	92.7	KY	CATLETTSBURG
1247	WTOF-	98.1	OH	CANTON
1249	WXIL	95.1	WV	PARKERSBURG
1254	WPFB-	105.9	OH	MIDDLETOWN
1259	WSLM-	98.9	IN	SALEM
1301	WYNO	106.1	OH	MANSFIELD
1303	WFCB	94.3	OH	CHILLICOTHE
1311	WLBC-	104.1	IN	MUNCIE
1314	WBBY	103.9	OH	WESTERVILLE
1316	WWIZ	103.9	PA	MERCER
1320	CKLW-	93.9	ON	WINDSOR
1322	WKDD	96.5	OH	AKRON
1327	WMHE	92.5	OH	TOLEDO
1328	WIBM	94.1	MI	JACKSON
1329	CJBX	92.7	ON	LONDON
1330	WFCJ	93.7	OH	MIAMISBURG
1331	WOMC	104.3	MI	DETROIT

(17:)

1334	WTPI	107.9	IN	INDIANAPOLIS
1339	WCSX	94.7	MI	BIRMINGHAM
1341	WLLZ	98.7	MI	DETROIT
	WBTU	93.3	IN	KENDALLVILLE
1355	KLUC	98.5	NV	LAS VEGAS
1359	KXTZ	94.1	NV	HENDERSON
1359	KRFM	96.5	AZ	SHOW LOW
1401	KZEZ	93.5	UT	ST. GEORGE
	KSSD	92.5	UT	CEDAR CITY
1411	KIBS	100.7	CA	BISHOP
1420	KBRE-	94.9	UT	CEDAR CITY
1439	WJML-	98.9	MI	PETOSKEY
1452	WDEK	92.5	IL	DE KALB
1453	WMYX	99.1	WI	MILWAUKEE
1455	WILV	94.9	WI	BARABOO
1458	WIAA	88.3	MI	INTERLOCHEN
1459	WNIU	89.5	IL	DE KALB
1502	WEKZ-	93.7	WI	MONROE
1505	WAAG	94.9	IL	GALESBURG
1510	WDOR-	93.9	WI	STURGEON BAY
1520	WJVL	99.9	WI	JANESVILLE
1522	WBKV-	92.5	WI	WEST BEND
1524	WMGN	98.1	WI	MADISON
1524	WOMA	96.5	WI	ALGOMA
1527	WROE	94.3	WI	NEEHAN
1531	WLST	95.1	WI	MARINETTE

JULY

17

1600	KBYU	88.9	UT	PROVO
1610	WEZW	103.7	WI	WAUWATOSA
1618	IJVL	109.1	WI	JANESVILLE
1619	IRAC	108.7	WI	RACINE
1707	WIAL	94.1	WI	EAU CLAIRE
1712	KMCM	92.5	MT	MILES CITY
1717	KAAK	98.9	MT	GREAT FALLS
1721	WSBW	99.7	WI	STURGEON BAY
1724	KSLT	107.3	SD	SPEARFISH
1727	WQFM	93.3	WI	MILWAUKEE
1729	WKTI	94.5	WI	MILWAUKEE
	WWJO	98.1	MN	ST. CLOUD
1730	WKLH	96.5	WI	MILWAUKEE
1734	WMIL	106.1	WI	WAUKESHA
1737	WMLW	94.1	WI	WATERTOWN
1753	KKWS	105.9	MN	WADENA
1753	WAPL	105.7	WI	APPLETON
1755	WWJR	97.7	WI	SHEBOYGAN
	WFMR	98.3	WI	MENOMONEE FALLS
1758	WRUP	103.3	MI	MARQUETTE
1804	KLCQ	106.3	MO	MONROE CITY
1810	WWQM	106.3	WI	MIDDLETOWN
1811	WJXQ	106.1	MI	JACKSON
1816	WYCO	107.9	WI	WAUSAU
1826	KELO-	92.5	SD	SIOUX FALLS
1829	KTIS-	98.5	MN	MINNEAPOLIS
1846	KFMC	106.5	MN	FAIRMONT

18:

0850	WESC-	92.5	SC	GREENVILLE
1245	KPBS	89.5	CA	SAN DIEGO
1246	KFMB-	100.7	CA	SAN DIEGO
1248	KFXX	92.1	AZ	GREEN VALLEY
1252	XHRM	92.5	BCN	TIJUANA
1253	KYXY	96.5	CA	SAN DIEGO
1254	XETRA-	91.1	BCN	TIJUANA
1255	KIFM	98.1	CA	SAN DIEGO
	KGB-	101.5	CA	SAN DIEGO
1256	KWLT	94.9	CA	SAN DIEGO
1257	KJQY	103.7	CA	SAN DIEGO
1258	XHBA	104.1	BCN	MEXICALI
1259	KPWR	105.9	CA	LOS ANGELES
1300	KWXY-	98.5	CA	CATHEDRAL CITY
1301	KFAC-	92.3	CA	LOS ANGELES
1304	KXMK	106.3	AZ	ARIZONA CITY
	KONC	106.3	AZ	SUN CITY
1305	KOOL-	94.5	AZ	PHOENIX
1309	KZLA	93.9	CA	LOS ANGELES
1330	KXTZ	94.1	NV	HENDERSON
1335	KKLZ	96.3	NV	LAS VEGAS
1340	KUDO	93.1	NV	LAS VEGAS
1344	KLUC	98.5	NV	LAS VEGAS
1355	KNFM	92.3	TX	MIDLAND
1356	KZEZ	93.5	UT	ST. GEORGE
1359	KILA	90.5	NV	LAS VEGAS
1404	KCEP	88.1	NV	LAS VEGAS
1721	WLFJ	89.3	SC	GREENVILLE
1729	WEQR	96.9	NC	GOLDSBORO
1731	WCOS-	97.9	SC	COLUMBIA
1733	WQSM	98.1	NC	FAYETTEVILLE
1734	WZFX	99.1	NC	FAYETTEVILLE
1735	WRNS	95.1	NC	KINSTON
1739	WDLX	93.3	NC	WASHINGTON
1740	IFTY	109.1	GA	ATLANTA
1748	WNCT-	107.9	NC	GREENVILLE
1751	WDCG	105.1	NC	DURHAM
1752	WRAL-	101.5	NC	RALEIGH
1800	WTRG	100.7	NC	ROCKY MOUNT
1807	WRDU	106.1	NC	WILSON
1810	WWOK	105.7	NC	COLUMBIA
1814	WSOC-	103.7	NC	CHARLOTTE

(18:)

1834	WTQR	104.1	NC	WINSTON-SALEM
1835	WBCY	107.9	NC	CHARLOTTE
1838	WKSI	98.7	NC	GREENSBORO
1839	WPEG	97.9	NC	CONCORD
1852	WLVK	96.9	NC	STATESVILLE

19:

0833	WPFW	89.3	DC	WASHINGTON
0858	WVPN	88.5	WV	CHARLESTON
0950	WPNE-	89.3	WI	GREEN BAY
1817	WBTQ	93.5	WV	BUCKHANNON
1831	WJSN	97.7	KY	JACKSON
1852	WJFM	93.7	MI	GRAND RAPIDS

21:

0804	WFDD	88.5	NC	WINSTON-SALEM
1010	WXIL	95.1	WV	PARKERSBURG
1011	WPAY-	104.1	OH	PORTSMOUTH
1016	WSHH	99.7	PA	PITTSBURGH
1025	WDJQ	92.5	OH	ALLIANCE
1027	WRKA	103.1	KY	ST. MATTHEWS
1032	WVPN	88.5	WV	CHARLESTON
1039	WRQC	92.3	OH	CLEVELAND HTS
1042	WDSY	107.9	PA	PITTSBURGH
1051	WOSE	94.5	OH	PORT CLINTON
1054	CJBX	92.7	ON	LONDON
1059	CKLW-	93.9	ON	WINDSOR
1104	WDEY-	103.1	MI	LAPEER
1105	WNWN	98.5	MI	COLDWATER
1107	WIBM	94.1	MI	JACKSON
1121	WFMK	99.1	MI	EAST LANSING
1123	WVIC-	94.9	MI	EAST LANSING
1146	WPNE-	89.3	WI	GREEN BAY
1300	WBKV-	92.5	WI	WEST BEND
1301	WMLW	94.1	WI	WATERTOWN
1306	WMGN	98.1	WI	MADISON
1307	WZEE	104.1	WI	MADISON
1326	WDOR-	93.9	WI	STURGEON BAY
1335	WJPD-	92.3	MI	ISHPEMING

22:

1010	WIBM	94.1	MI	JACKSON
1022	WGFA-	94.1	IL	WATSEKA
1026	WJFM	93.7	MI	GRAND RAPIDS
1028	WLRW	94.5	IL	CHAMPAIGN
1029	WDZQ	95.1	IL	DECATUR
1031	WOOD-	105.7	MI	GRAND RAPIDS
1036	WLAV-	96.9	MI	GRAND RAPIDS
1045	WGLT	89.1	IL	NORMAL
1048	WKLQ	94.5	MI	HOLLAND
1059	WNIU	89.5	IL	DE KALB
1102	WBKV-	92.5	WI	WEST BAND
1941	KCRB	88.5	MN	BEMIDJI
1948	KNNS	96.9	MN	GRAND RAPIDS
2016	KMPR	88.9	ND	MINOT

29:

0955	KKFR	92.3	AZ	GLENDALE
0957	KMEO-	96.9	AZ	PHOENIX
0958	KOOL-	94.5	AZ	PHOENIX
1001	KJZZ	91.5	AZ	PHOENIX
1010	KWYK-	94.9	NM	AZTEC
1011	KRAZ	96.9	NM	FARMINGTON
1014	KXTZ	94.1	NV	LAS VEGAS
1016	KAHM	103.9	AZ	PRESCOTT
	KIHX	106.3	AZ	PRESCOTT VALLEY
1019	KMGN	93.9	AZ	FLAGSTAFF
1031	KLSK	104.1	NM	SANTA FE
1034	KSSD	92.5	UT	CEDAR CITY
1036	KQNM	93.7	NM	GALLUP
1038	KNMQ	105.9	NM	SANTA FE

29 JULY

1048	KRTZ	98.7	CO	CORTEZ
	KISZ-	97.9	CO	CORTEZ
1050	KKOR	94.5	NM	GALLUP
1051	KLLT	95.3	NM	GRANTS
1056	KXAZ	93.5	AZ	PAGE
1059	KARS-	97.7	NM	BELEN
1107	KEKB	99.9	CO	FRUITA
1111	KTRA	102.1	NM	FARMINGTON
1120	KRGO	107.9	UT	ROY
1122	KRSJ	100.5	CO	DURANGO
1124	KQSW	96.5	WY	ROCK SPRINGS
1128	KVEE	92.3	CO	GRAND JUNCTION
1136	KSOP-	104.3	UT	SALT LAKE CITY
1137	KLTQ	93.3	UT	SALT LAKE CITY
1158	KLZY	92.5	WY	POWELL
1200	KYCS	95.1	WY	ROCK SPRINGS
1204	KLEN	106.3	WY	CHEYENNE
1212	KVLE	102.3	CO	GUNNISON
1223	KSEI-	102.5	ID	POCATELLO
1225	KPKY	94.9	ID	POCATELLO
1231	KQPI	99.1	ID	IDAHO FALLS
1247	KMTN	96.9	WY	JACKSON
1259	KNFM	92.3	TX	MIDLAND
	KUUB	95.1	MT	BOZEMAN
1319	KQDY	94.5	ND	BISMARCK
1802	KQIP	96.9	TX	ODESSA
1954	KZLA	93.9	CA	LOS ANGELES
	KFAC-	92.3	CA	LOS ANGELES
2046	KELO-	92.5	SD	SIOUX FALLS
2054	KJJK	96.5	MN	FERGUS FALLS

31:

1606	WFPL	89.3	KY	LOUISVILLE
1608	WNCI	97.9	OH	COLUMBUS
1618	WSBW	99.7	WI	STURGEON BAY
1629	WFSS	89.1	NC	FAYETTEVILLE
	WNSC-	88.9	SC	ROCK HILL
1631	WRQC	92.3	OH	CLEVELAND HTS
1635	WQIO	93.7	OH	MOUNT VERNON
1641	WQXI-	94.1	GA	SMYRNA
1701	KEYA	88.5	ND	BELCOURT
1704	KZLT	104.3	MN	EAST GRAND FORKS
1706	KMIT	105.9	SD	MITCHELL
(31:)				
1713	KYCS	95.1	WY	ROCK SPRINGS
	KSDN-	94.1	SD	ABERDEEN
1716	KQDY	94.5	ND	BISMARCK
1719	KWYR-	93.7	SD	WINNER
172[illegible]	KPKY	94.9	ID	POCATELLO
	KLIX	96.5	ID	TWIN FALLS
171[illegible]	KBYZ	96.5	ND	BISMARCK
171[illegible]	KMPR	88.9	ND	MINOT
181[illegible]	WRAS	88.5	GA	ATLANTA
1814	WHLZ	92.5	SC	MANNING
1820	WKDD	96.5	OH	AKRON
1826	WRDL	88.9	OH	ASHLAND
1827	WREO	97.1	OH	ASHTABULA
1828	WDBN	94.9	OH	MEDINA
1836	WYCA	92.3	IN	HAMMOND
1840	WKHQ-	105.9	MI	CHARLEVOIX
1844	WCKG	105.9	IL	ELMWOOD PARK
1845	WEZW	103.7	WI	WAUWATOSA
1845	WCRZ	107.9	MI	FLINT
1847	WLHT	95.7	MI	GRAND RAPIDS
1850	WJMK	104.3	IL	CHICAGO
1852	WLHN	97.9	IN	ANDERSON
1853	WKCQ	98.1	MI	SAGINAW
1901	WPTW-	95.7	OH	PIQUA
1911	WDOR-	93.9	WI	STURGEON BAY
19[illegible]	WHIO-	99.1	OH	DAYTON
19[illegible]	WNWN	98.5	MI	COLDWATER

2 AUGUST

0625	WCKW	92.3	LA	LAPLACE
1117	WVJC	89.1	IL	MOUNT CARMEL
1119	WLBC-	104.1	IN	MUNCIE
1125	WXTZ	103.3	IN	INDIANAPOLIS
1126	WFIW-	104.9	IL	FAIRFIELD
1129	WLHN	97.9	IN	ANDERSON
1130	WQXK	105.1	OH	SALEM
1134	WAJI	95.1	IN	FORT WAYNE
1136	WDFM	98.1	OH	DEFIANCE
1142	WLRW	94.5	IL	CHAMPAIGN
1146	WGRD	97.9	MI	GRAND RAPIDS
1147	WNWN	98.5	MI	COLDWATER
1148	WMHE	92.5	OH	TOLEDO
1150	WVIC-	94.9	MI	EAST LANSING
1151	WKKX	104.1	IL	JERSEYVILLE
1153	KSHE	94.7	MO	CRESTWOOD
1154	WLHT	95.7	MI	GRAND RAPIDS
1156	WLAV	96.9	MI	GRAND RAPIDS
1157	WGFA-	94.1	IL	WATSEKA
1158	WOOD-	105.7	MI	GRAND RAPIDS
1159	WCUZ-	101.3	MI	GRAND RAPIDS
1201	WJFM	93.7	MI	GRAND RAPIDS
1202	WAUR	107.9	IL	AURORA
1206	WXLC	102.3	IL	WAUKEGAN
1209	WDEK	92.5	IL	DE KALB
1210	WMLW	94.1	WI	WATERTOWN
1214	WKTI	94.5	WI	MILWAUKEE
	WILV	94.9	WI	BARABOO
	WBGK	95.7	WI	MILWAUKEE
1217	WMIL	106.1	WI	WAUKESHA
1220	WRWC	103.1	IL	ROCKTON
1224	WFMK	99.1	MI	EAST LANSING
1225	WQFM	93.3	WI	MILWAUKEE
1225	WKLH	96.5	WI	MILWAUKEE
1229	WZZP	103.9	IN	SOUTH BEND
1242	WCEN-	94.5	MI	MOUNT PLEASANT
1255	WKLQ	94.5	MI	HOLLAND
1259	WLUP	97.9	IL	CHICAGO
	WLAK	93.9	IL	CHICAGO
1340	KRNY-	98.9	NE	KEARNEY
1345	KDDR-	92.3	ND	OAKES
1350	WDOR-	93.9	WI	STURGEON BAY
1352	KZLT	104.3	MN	EAST GRAND FORKS
1358	WDAY-	93.7	ND	FARGO
1359	KMIT	105.9	SD	MITCHELL
1405	KFNW-	97.9	ND	FARGO
1408	KZZY	103.5	ND	DEVILS LAKE
1413	KSDN-	94.1	SD	ABERDEEN
1417	KBWS-	102.9	SD	SISSETON
1419	KBRF-	103.3	MN	FERGUS FALLS
1422	KVOX-	99.9	MN	MOORHEAD
1427	KNOX-	94.7	ND	GRAND FORKS
1639	WDJQ	92.5	OH	ALLIANCE
1641	WYSU	88.5	OH	YOUNGSTOWN
1659	WWNK-	94.1	OH	CINCINNATI

3:

0050	WYNK-	101.5	LA	BATON ROUGE
0053	KSMB	94.5	LA	LAFAYETTE
0059	WCKW-	92.3	LA	LAPLACE
	KJEF-	92.7	LA	JENNINGS

4:

0050	WCKW-	92.3	LA	LAPLACE
0720	WMAU-	88.9	MS	BUDE
	WRKF	89.3	LA	BATON ROUGE
0851	WRAS	88.5	GA	ATLANTA
0913	WESC-	92.5	SC	GREENVILLE
0914	KQXY	94.1	TX	BEAUMONT
0940	KSMB	94.5	LA	LAFAYETTE
1001	KBYU	88.9	UT	PROVO

CONT. NEXT MONTH.....

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